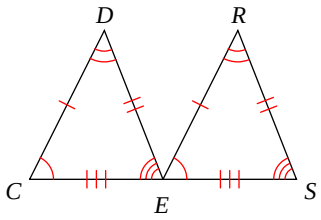
Geometry Name_____

Assignment

Date_____ Period____

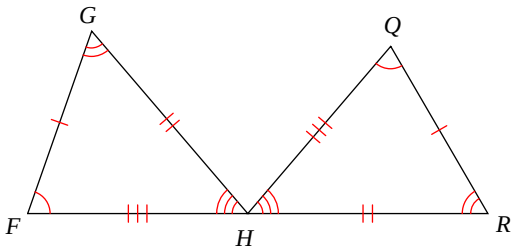
Write a statement that indicates that the triangles in each pair are congruent.

1)



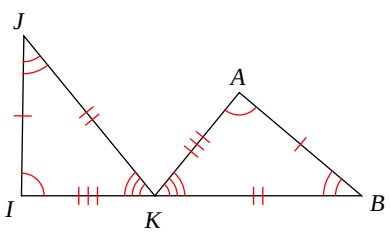
A) $\Delta CDE \cong \Delta ERS$
B) $\Delta CED \cong \Delta RES$
C) $\Delta EDC \cong \Delta ESR$
D) $\Delta CDE \cong \Delta RES$

2)



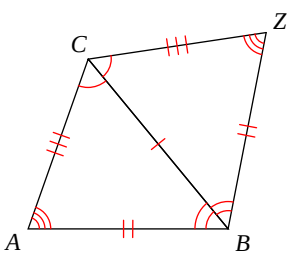
A) $\Delta HGF \cong \Delta HQR$
B) $\Delta FHG \cong \Delta RQH$
C) $\Delta GFH \cong \Delta RHQ$
D) $\Delta FGH \cong \Delta QRH$

3)



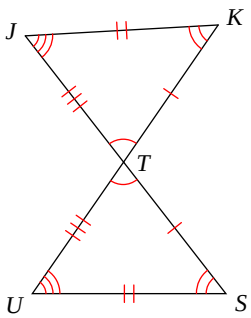
A) $\Delta KIJ \cong \Delta ABK$
B) $\Delta KJI \cong \Delta BKA$
C) $\Delta JIK \cong \Delta KBA$
D) $\Delta IJK \cong \Delta ABK$

4)



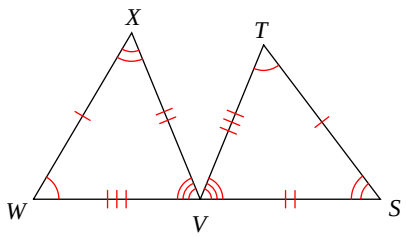
A) $\Delta CBA \cong \Delta CBZ$
B) $\Delta BCA \cong \Delta CBZ$
C) $\Delta CAB \cong \Delta BZC$
D) $\Delta ABC \cong \Delta BCZ$

5)



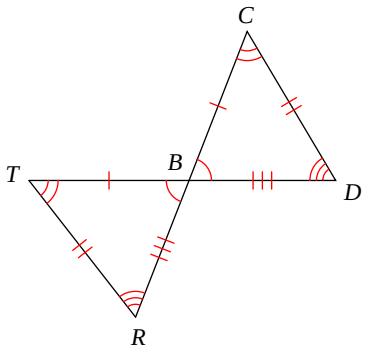
A) $\Delta UTS \cong \Delta TJK$
B) $\Delta TSU \cong \Delta JTK$
C) $\Delta TSU \cong \Delta TKJ$
D) $\Delta TUS \cong \Delta JKT$

6)



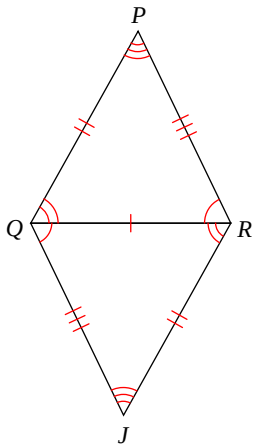
A) $\Delta WXV \cong \Delta TSV$
B) $\Delta XWV \cong \Delta SVT$
C) $\Delta VXW \cong \Delta VTS$
D) $\Delta WXV \cong \Delta VST$

7)



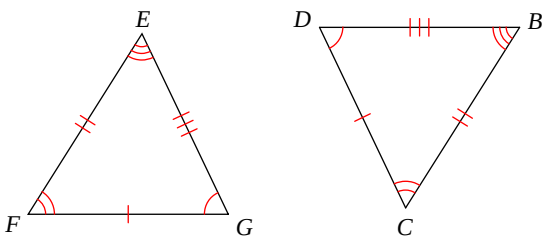
A) $\Delta CBD \cong \Delta BRT$
B) $\Delta BDC \cong \Delta RBT$
C) $\Delta CBD \cong \Delta RTB$
D) $\Delta BCD \cong \Delta BTR$

8)



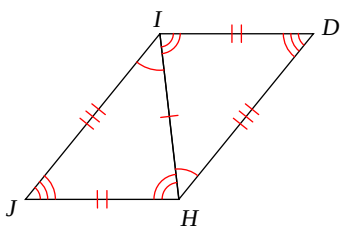
A) $\Delta PQR \cong \Delta QJR$
B) $\Delta RPQ \cong \Delta RQJ$
C) $\Delta QRP \cong \Delta JRQ$
D) $\Delta RQP \cong \Delta QRJ$

9)



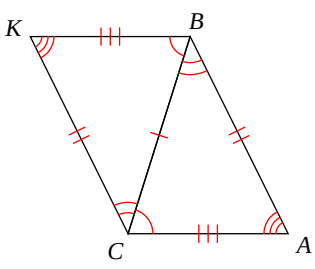
A) $\Delta GFE \cong \Delta BDC$
B) $\Delta FEG \cong \Delta DBC$
C) $\Delta GEF \cong \Delta DCB$
D) $\Delta GFE \cong \Delta DCB$

10)



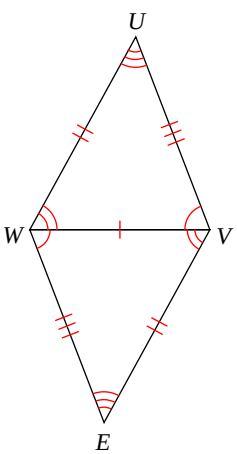
A) $\Delta JHI \cong \Delta IDH$
B) $\Delta IHJ \cong \Delta HID$
C) $\Delta JHI \cong \Delta DHI$
D) $\Delta HJI \cong \Delta HID$

11)



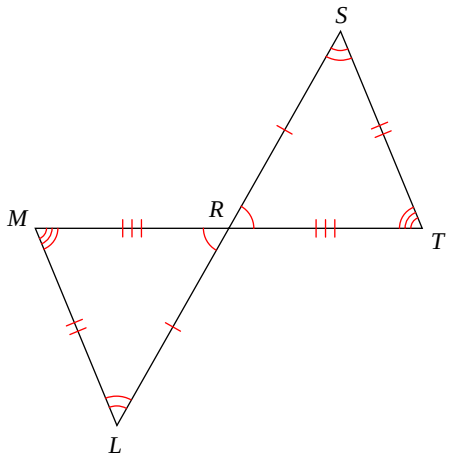
A) $\Delta CBA \cong \Delta KCB$
B) $\Delta CBA \cong \Delta BCK$
C) $\Delta ABC \cong \Delta KBC$
D) $\Delta CAB \cong \Delta KCB$

12)



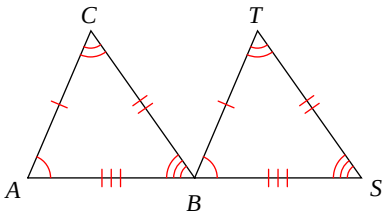
A) $\Delta WUV \cong \Delta EVW$
B) $\Delta VWU \cong \Delta VWE$
C) $\Delta VWU \cong \Delta WVE$
D) $\Delta UWV \cong \Delta VEW$

13)



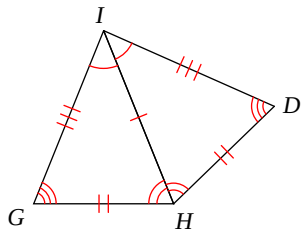
A) $\Delta RTS \cong \Delta MRL$
B) $\Delta RST \cong \Delta RLM$
C) $\Delta RST \cong \Delta RML$
D) $\Delta RTS \cong \Delta LRM$

14)



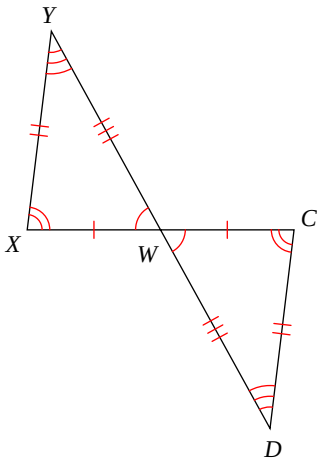
A) $\Delta CBA \cong \Delta STB$
B) $\Delta BAC \cong \Delta BTS$
C) $\Delta CBA \cong \Delta BTS$
D) $\Delta ACB \cong \Delta BTS$

15)



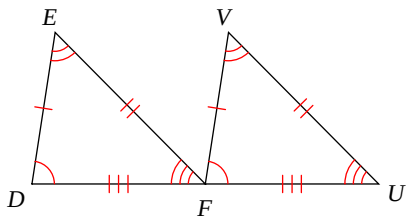
A) $\Delta HIG \cong \Delta HDI$
B) $\Delta IHG \cong \Delta IHD$
C) $\Delta GIH \cong \Delta HID$
D) $\Delta IHG \cong \Delta HDI$

16)



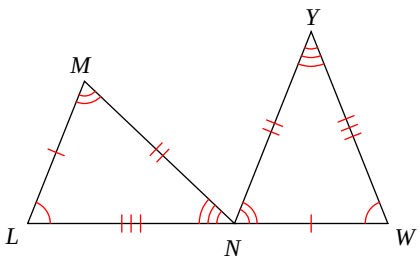
A) $\Delta WXY \cong \Delta WCD$
B) $\Delta YXW \cong \Delta CDW$
C) $\Delta WYX \cong \Delta DWC$
D) $\Delta XYW \cong \Delta WCD$

17)



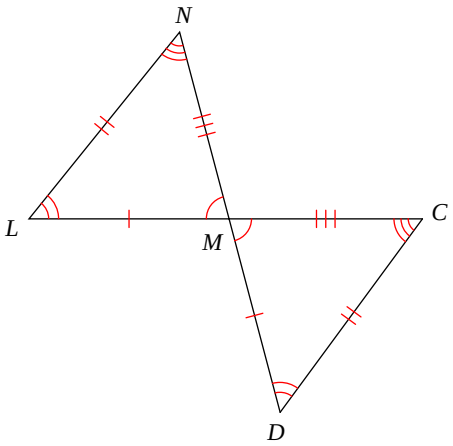
A) $\Delta DFE \cong \Delta VFU$
B) $\Delta DEF \cong \Delta FVU$
C) $\Delta FED \cong \Delta FUV$
D) $\Delta DFE \cong \Delta UFV$

18)



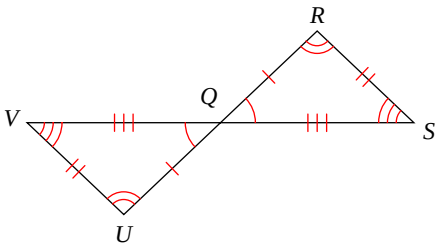
A) $\Delta NLM \cong \Delta WYN$
B) $\Delta LMN \cong \Delta WNY$
C) $\Delta NLM \cong \Delta YNW$
D) $\Delta NLM \cong \Delta NYW$

19)



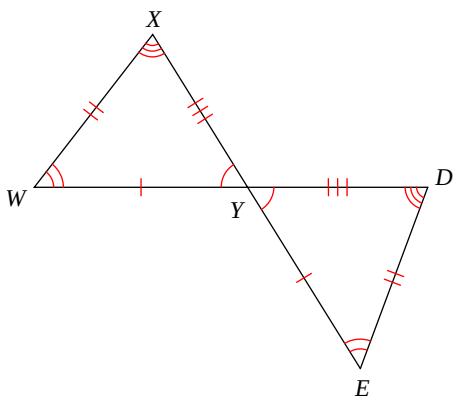
A) $\Delta NLM \cong \Delta DMC$
B) $\Delta MLN \cong \Delta MDC$
C) $\Delta NML \cong \Delta MCD$
D) $\Delta MNL \cong \Delta CDM$

20)



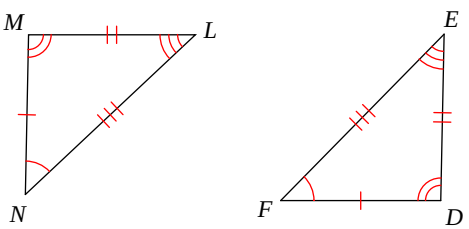
A) $\Delta QRS \cong \Delta VUQ$
B) $\Delta QSR \cong \Delta VUQ$
C) $\Delta QRS \cong \Delta QUV$
D) $\Delta RQS \cong \Delta VUQ$

21)



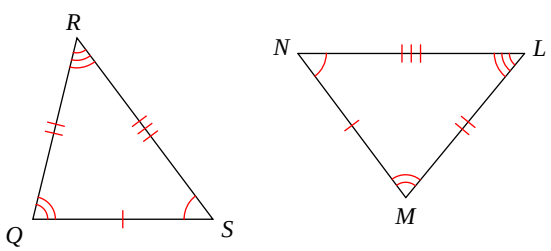
A) $\Delta XWY \cong \Delta EDY$
B) $\Delta YWX \cong \Delta YED$
C) $\Delta WYX \cong \Delta YDE$
D) $\Delta XYW \cong \Delta EDY$

22)



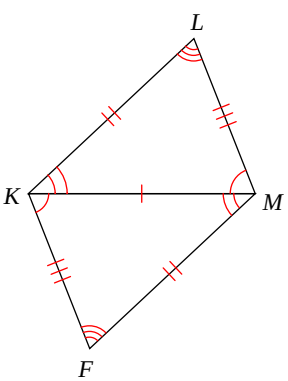
A) $\Delta MNL \cong \Delta DEF$
B) $\Delta NML \cong \Delta FDE$
C) $\Delta MLN \cong \Delta EFD$
D) $\Delta NLM \cong \Delta EDF$

23)



A) $\Delta SRQ \cong \Delta MLN$
B) $\Delta SRQ \cong \Delta LMN$
C) $\Delta SQR \cong \Delta NML$
D) $\Delta QRS \cong \Delta MNL$

24)



A) $\Delta MKL \cong \Delta KMF$
B) $\Delta MKL \cong \Delta KFM$
C) $\Delta KML \cong \Delta KMF$
D) $\Delta LMK \cong \Delta KMF$

Answers to Assignment (ID: 1)

1) A
2) D
3) D
4) A
5) C
6) A
7) D
8) D
9) D
10) B
11) B
12) C
13) B
14) D
15) B
16) A
17) B
18) B
19) B
20) C
21) B
22) B
23) C
24) A

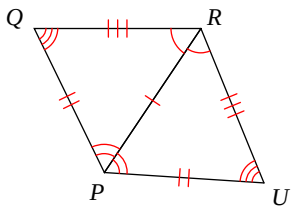
Geometry Name_____

Assignment

Date_____ Period____

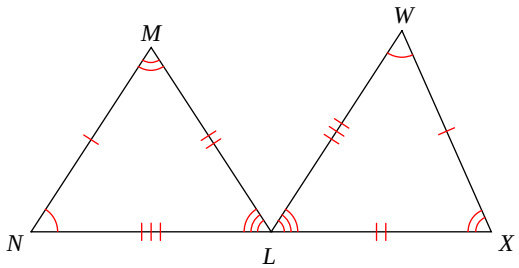
Write a statement that indicates that the triangles in each pair are congruent.

1)



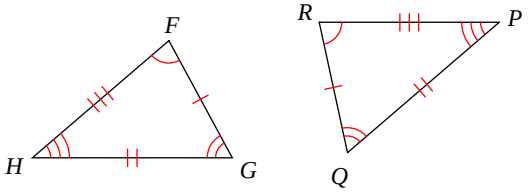
A) $\Delta QRP \cong \Delta UPR$
B) $\Delta RPQ \cong \Delta RPU$
C) $\Delta QPR \cong \Delta RPU$
D) $\Delta QRP \cong \Delta PUR$

2)



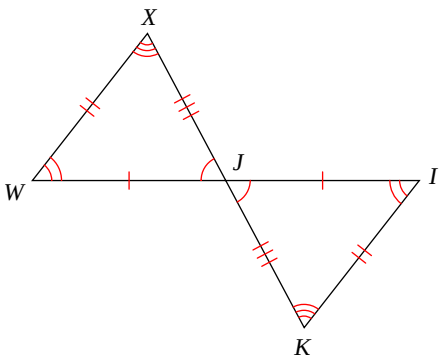
A) $\Delta NML \cong \Delta WXL$
B) $\Delta LNM \cong \Delta XLW$
C) $\Delta MLN \cong \Delta WXL$
D) $\Delta NLM \cong \Delta LXW$

3)



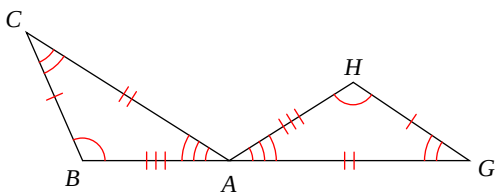
A) $\Delta GFH \cong \Delta RQP$
B) $\Delta HFG \cong \Delta PQR$
C) $\Delta FGH \cong \Delta RQP$
D) $\Delta GHF \cong \Delta QRP$

4)



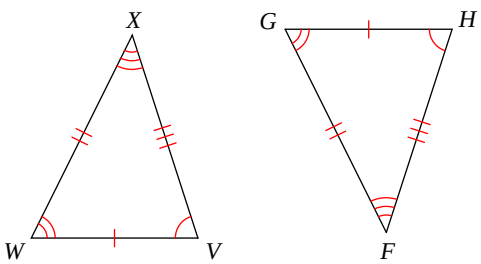
A) $\Delta KJI \cong \Delta WXJ$
B) $\Delta JIK \cong \Delta XJW$
C) $\Delta IKJ \cong \Delta XWJ$
D) $\Delta JIK \cong \Delta JWX$

5)



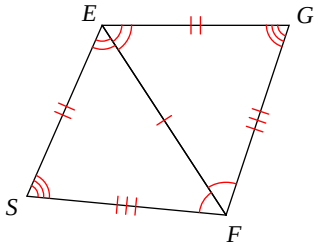
A) $\Delta ABC \cong \Delta AGH$
B) $\Delta BCA \cong \Delta HGA$
C) $\Delta CAB \cong \Delta AHG$
D) $\Delta CBA \cong \Delta GAH$

6)



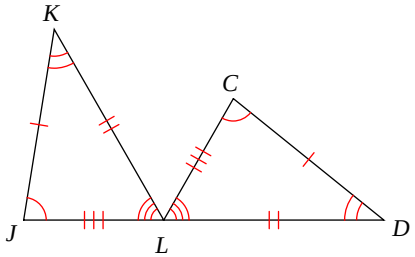
A) $\Delta VXW \cong \Delta HGF$
B) $\Delta VXW \cong \Delta GHF$
C) $\Delta VWX \cong \Delta HGF$
D) $\Delta VWX \cong \Delta FHG$

7)



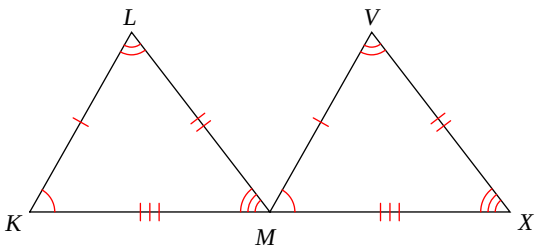
A) $\Delta FEG \cong \Delta FES$
B) $\Delta GEF \cong \Delta FES$
C) $\Delta GFE \cong \Delta EFS$
D) $\Delta GEF \cong \Delta EFS$

8)



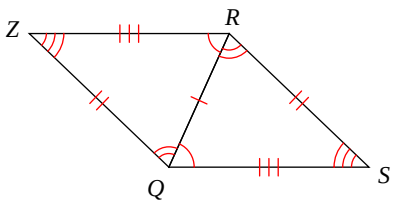
A) $\Delta KLJ \cong \Delta LDC$
B) $\Delta LJK \cong \Delta CDL$
C) $\Delta LJK \cong \Delta DLC$
D) $\Delta JKL \cong \Delta CDL$

9)



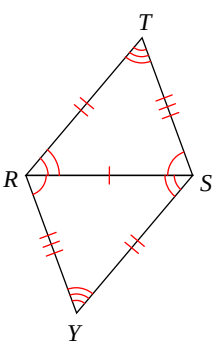
A) $\Delta KML \cong \Delta VMX$
B) $\Delta LMK \cong \Delta MVX$
C) $\Delta KML \cong \Delta VXM$
D) $\Delta KLM \cong \Delta MVX$

10)



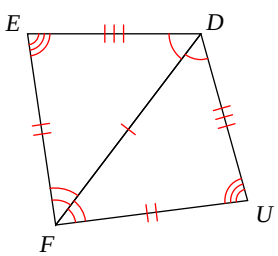
A) $\Delta RSQ \cong \Delta RZQ$
B) $\Delta QRS \cong \Delta RQZ$
C) $\Delta QSR \cong \Delta ZQR$
D) $\Delta QRS \cong \Delta RZQ$

11)



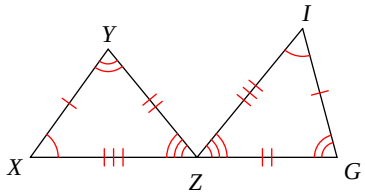
A) $\Delta RTS \cong \Delta RSY$
B) $\Delta SRT \cong \Delta RSY$
C) $\Delta SRT \cong \Delta YSR$
D) $\Delta SRT \cong \Delta SRY$

12)



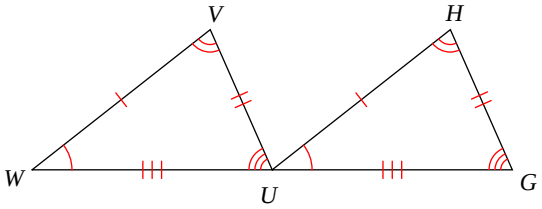
A) $\Delta EDF \cong \Delta DFU$
B) $\Delta DFE \cong \Delta DFU$
C) $\Delta EFD \cong \Delta FDU$
D) $\Delta DFE \cong \Delta UDF$

13)



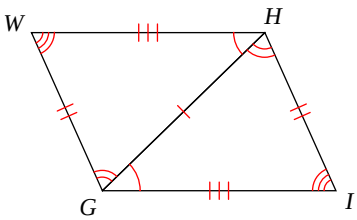
A) $\Delta XYZ \cong \Delta GIZ$
B) $\Delta XYZ \cong \Delta IGZ$
C) $\Delta ZXY \cong \Delta GZI$
D) $\Delta XYZ \cong \Delta IZG$

14)



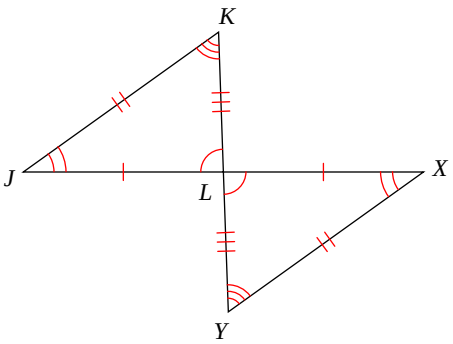
A) $\Delta WVU \cong \Delta UHG$
B) $\Delta UVW \cong \Delta UHG$
C) $\Delta WUV \cong \Delta GUH$
D) $\Delta VUW \cong \Delta HUG$

15)



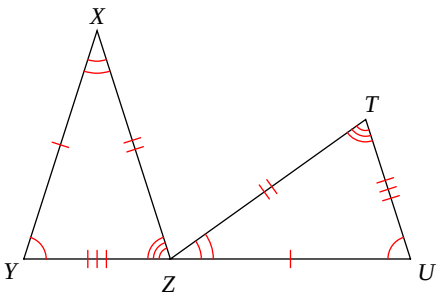
A) $\Delta GIH \cong \Delta WHG$
B) $\Delta GHI \cong \Delta GWH$
C) $\Delta GHI \cong \Delta HGW$
D) $\Delta GIH \cong \Delta WGH$

16)



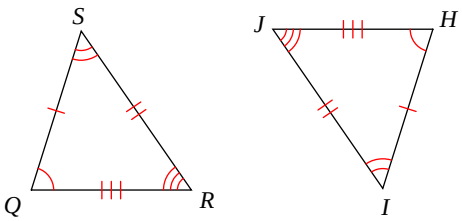
A) $\Delta LJK \cong \Delta LXY$
B) $\Delta LJK \cong \Delta YLX$
C) $\Delta JKL \cong \Delta YLX$
D) $\Delta JKL \cong \Delta LYX$

17)



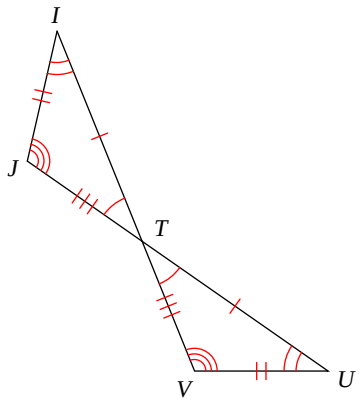
A) $\Delta YXZ \cong \Delta UZT$
B) $\Delta XYZ \cong \Delta ZTU$
C) $\Delta YXZ \cong \Delta UTZ$
D) $\Delta XYZ \cong \Delta UZT$

18)



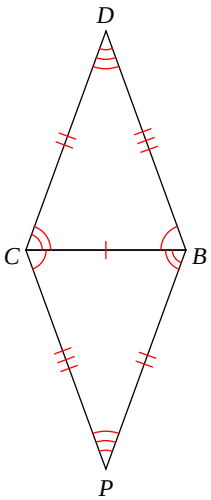
A) $\Delta QSR \cong \Delta HIJ$
B) $\Delta QRS \cong \Delta JIH$
C) $\Delta RSQ \cong \Delta IHJ$
D) $\Delta RQS \cong \Delta HIJ$

19)



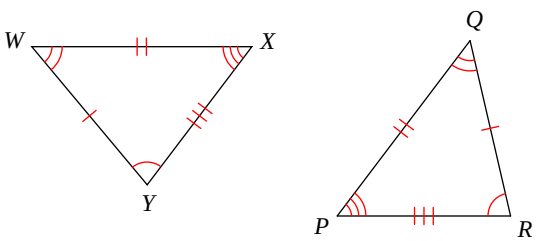
A) $\Delta VUT \cong \Delta IJT$
B) $\Delta UTV \cong \Delta IJT$
C) $\Delta TUV \cong \Delta TIJ$
D) $\Delta TUV \cong \Delta JTI$

20)



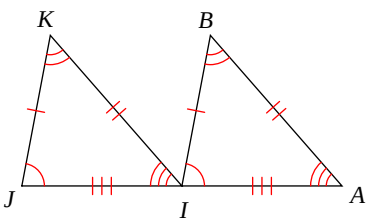
A) $\Delta CDB \cong \Delta PCB$
B) $\Delta DCB \cong \Delta BPC$
C) $\Delta BCD \cong \Delta CBP$
D) $\Delta BDC \cong \Delta PCB$

21)



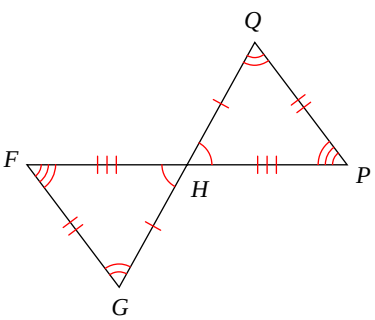
A) $\Delta WXY \cong \Delta RPQ$
B) $\Delta XWY \cong \Delta PRQ$
C) $\Delta YWX \cong \Delta RQP$
D) $\Delta XWY \cong \Delta QRP$

22)



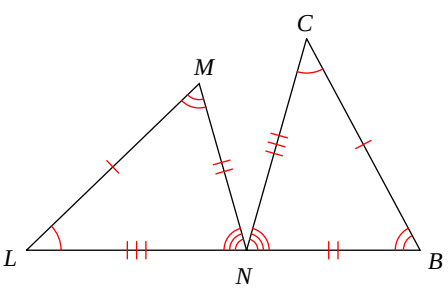
A) $\Delta KIJ \cong \Delta BIA$
B) $\Delta JKI \cong \Delta IBA$
C) $\Delta IJK \cong \Delta ABI$
D) $\Delta IKJ \cong \Delta IAB$

23)



A) $\Delta GFH \cong \Delta PHQ$
B) $\Delta FHG \cong \Delta HQP$
C) $\Delta GHF \cong \Delta HQP$
D) $\Delta HGF \cong \Delta HQP$

24)



A) $\Delta LMN \cong \Delta CBN$
B) $\Delta NML \cong \Delta BCN$
C) $\Delta MLN \cong \Delta BNC$
D) $\Delta LNM \cong \Delta NBC$

Answers to Assignment (ID: 2)

1) B
2) A
3) C
4) D
5) B
6) C
7) A
8) D
9) D
10) B
11) B
12) B
13) B
14) A
15) C
16) A
17) A
18) A
19) C
20) C
21) C
22) B
23) D
24) A

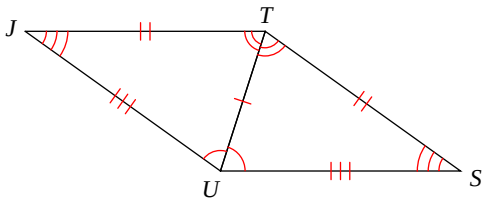
Geometry Name_____

Assignment

Date_____ Period____

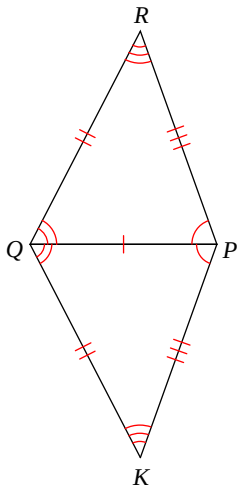
Write a statement that indicates that the triangles in each pair are congruent.

1)



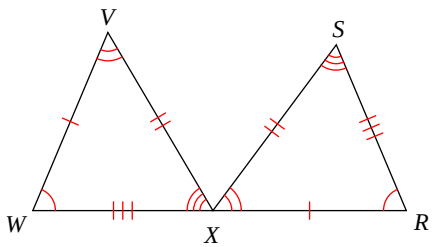
A) $\Delta STU \cong \Delta TUJ$
B) $\Delta UTS \cong \Delta UTJ$
C) $\Delta TUS \cong \Delta TJU$
D) $\Delta TSU \cong \Delta JTU$

2)



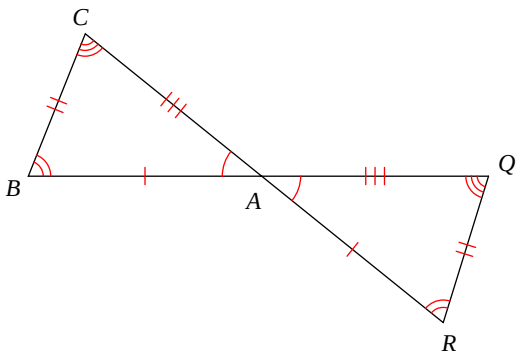
A) $\Delta QRP \cong \Delta KPQ$
B) $\Delta PQR \cong \Delta KQP$
C) $\Delta RPQ \cong \Delta PKQ$
D) $\Delta PQR \cong \Delta PQK$

3)



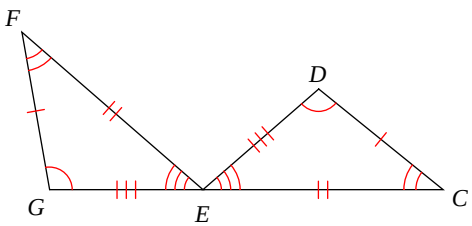
A) $\Delta VXW \cong \Delta SXR$
B) $\Delta XWV \cong \Delta XSR$
C) $\Delta WVX \cong \Delta RXS$
D) $\Delta WVX \cong \Delta SRX$

4)



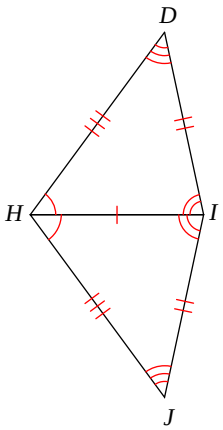
A) $\Delta ABC \cong \Delta ARQ$
B) $\Delta ABC \cong \Delta QRA$
C) $\Delta ACB \cong \Delta QRA$
D) $\Delta CAB \cong \Delta RQA$

5)



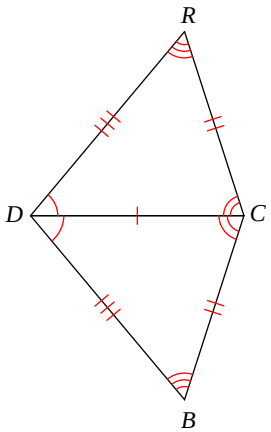
A) $\Delta GFE \cong \Delta DEC$
B) $\Delta FEG \cong \Delta ECD$
C) $\Delta EGF \cong \Delta ECD$
D) $\Delta GFE \cong \Delta DCE$

6)



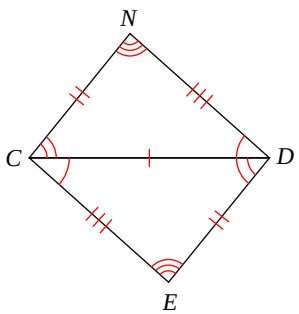
A) $\Delta JHI \cong \Delta IHD$
B) $\Delta JIH \cong \Delta DHI$
C) $\Delta HIJ \cong \Delta HDI$
D) $\Delta HIJ \cong \Delta HID$

7)



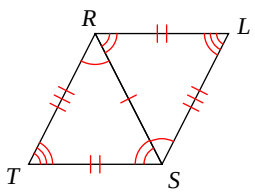
A) $\Delta BCD \cong \Delta CDR$
B) $\Delta BCD \cong \Delta DRC$
C) $\Delta BCD \cong \Delta DCR$
D) $\Delta DCB \cong \Delta DCR$

8)



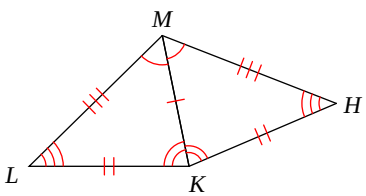
A) $\Delta EDC \cong \Delta DNC$
B) $\Delta CDE \cong \Delta CDN$
C) $\Delta CED \cong \Delta NDC$
D) $\Delta CDE \cong \Delta DCN$

9)



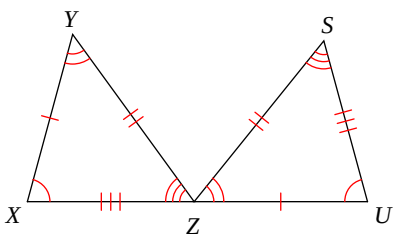
A) $\Delta RST \cong \Delta SRL$
B) $\Delta RST \cong \Delta RSL$
C) $\Delta STR \cong \Delta SLR$
D) $\Delta TSR \cong \Delta LSR$

10)



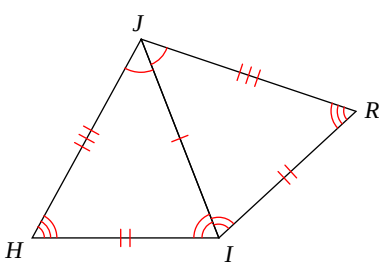
A) $\Delta LMK \cong \Delta HKM$
B) $\Delta KLM \cong \Delta HKM$
C) $\Delta LMK \cong \Delta KHM$
D) $\Delta MKL \cong \Delta MKH$

11)



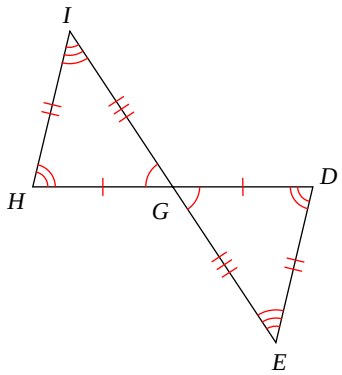
A) $\Delta ZXY \cong \Delta USZ$
B) $\Delta XYZ \cong \Delta UZS$
C) $\Delta XYZ \cong \Delta SZU$
D) $\Delta YZX \cong \Delta UZS$

12)



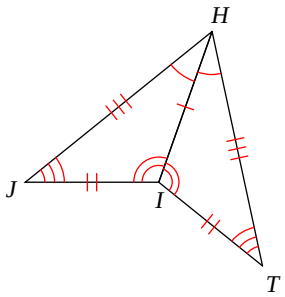
A) $\Delta HJI \cong \Delta JIR$
B) $\Delta JHI \cong \Delta IJR$
C) $\Delta JIH \cong \Delta IJR$

13)



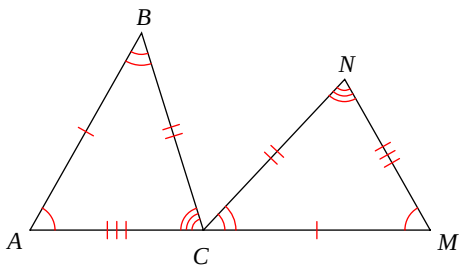
A) $\Delta GHI \cong \Delta GDE$
B) $\Delta IHG \cong \Delta DGE$
C) $\Delta GIH \cong \Delta EGD$
D) $\Delta HGI \cong \Delta EDG$

14)



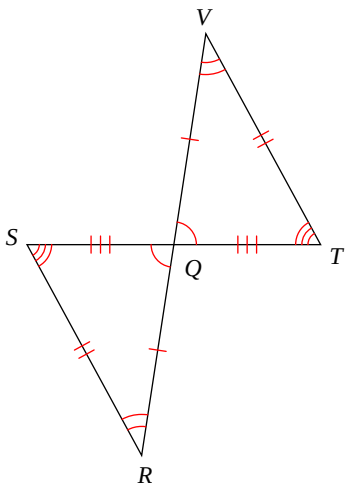
A) $\Delta HIJ \cong \Delta HIT$
B) $\Delta JHI \cong \Delta HTI$
C) $\Delta JIH \cong \Delta ITH$
D) $\Delta IJH \cong \Delta IHT$

15)



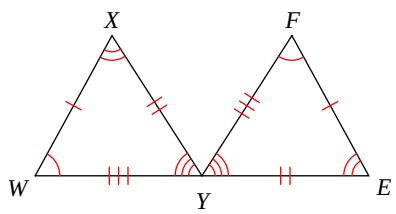
A) $\Delta BCA \cong \Delta MCN$
B) $\Delta BAC \cong \Delta MNC$
C) $\Delta BAC \cong \Delta MCN$
D) $\Delta ABC \cong \Delta MCN$

16)



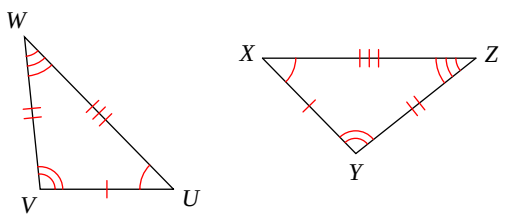
A) $\Delta RSQ \cong \Delta TQV$
B) $\Delta SRQ \cong \Delta VQT$
C) $\Delta SRQ \cong \Delta TQV$
D) $\Delta QRS \cong \Delta QVT$

17)



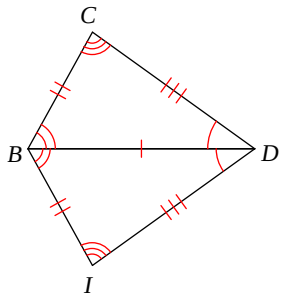
A) $\Delta WYX \cong \Delta YFE$
B) $\Delta WXY \cong \Delta FEY$
C) $\Delta YWX \cong \Delta EYF$
D) $\Delta XYW \cong \Delta EFY$

18)



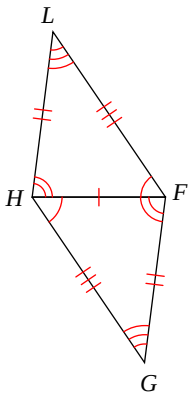
A) $\Delta WUV \cong \Delta XYZ$
B) $\Delta VUW \cong \Delta ZYX$
C) $\Delta UVW \cong \Delta XYZ$
D) $\Delta VWU \cong \Delta XZY$

19)



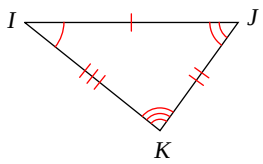
A) $\Delta CDB \cong \Delta IBD$
B) $\Delta BCD \cong \Delta DIB$
C) $\Delta BDC \cong \Delta IDB$
D) $\Delta DBC \cong \Delta DBI$

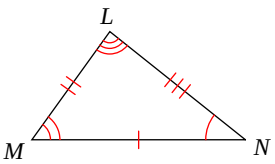
20)



A) $\Delta HFG \cong \Delta FHL$
B) $\Delta GFH \cong \Delta LFH$
C) $\Delta FGH \cong \Delta HFL$
D) $\Delta FHG \cong \Delta LHF$

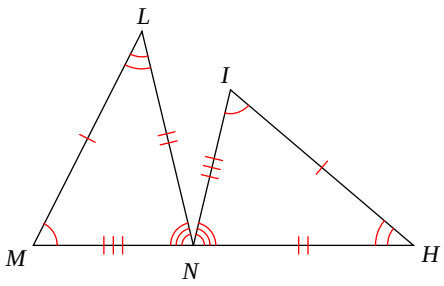
21)





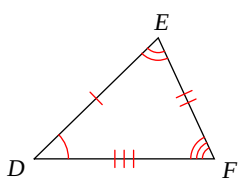
A) $\Delta IJK \cong \Delta NML$
B) $\Delta KJI \cong \Delta MLN$
C) $\Delta IJK \cong \Delta MLN$
D) $\Delta JKI \cong \Delta LMN$

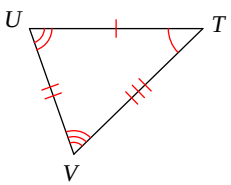
22)



A) $\Delta MNL \cong \Delta IHN$
B) $\Delta MLN \cong \Delta IHN$
C) $\Delta MLN \cong \Delta NHI$
D) $\Delta NML \cong \Delta NHI$

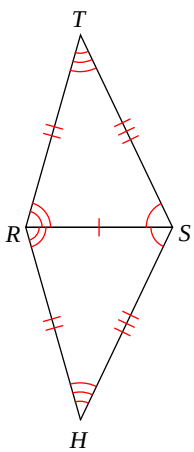
23)





A) $\Delta DFE \cong \Delta VUT$
B) $\Delta DEF \cong \Delta TUV$
C) $\Delta DEF \cong \Delta VTU$
D) $\Delta EDF \cong \Delta VUT$

24)



A) $\Delta SRT \cong \Delta SRH$
B) $\Delta TSR \cong \Delta RSH$
C) $\Delta STR \cong \Delta SRH$
D) $\Delta TRS \cong \Delta SHR$

Answers to Assignment (ID: 3)

1) B
2) D
3) C
4) A
5) D
6) D
7) D
8) D
9) A
10) D
11) B
12) C
13) A
14) A
15) D
16) D
17) B
18) C
19) D
20) A
21) A
22) B
23) B
24) A

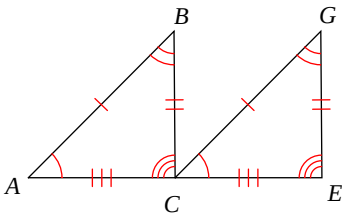
Geometry Name_____

Assignment

Date_____ Period____

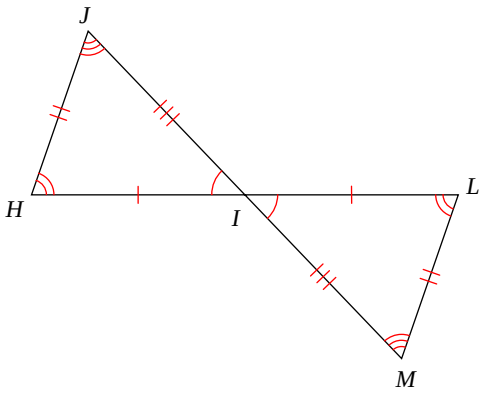
Write a statement that indicates that the triangles in each pair are congruent.

1)



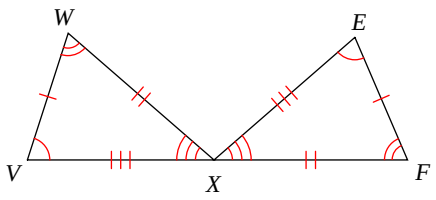
A) $\Delta CBA \cong \Delta GEC$
B) $\Delta BAC \cong \Delta CGE$
C) $\Delta ABC \cong \Delta CGE$
D) $\Delta ABC \cong \Delta GCE$

2)



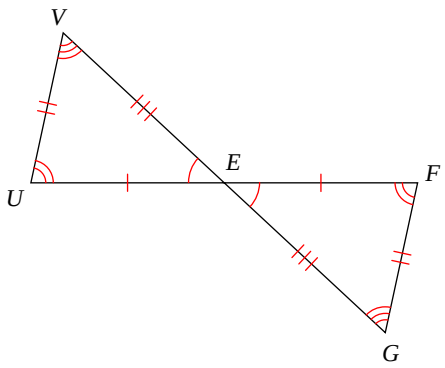
A) $\Delta IHJ \cong \Delta ILM$
B) $\Delta HJI \cong \Delta IML$
C) $\Delta IJH \cong \Delta ILM$
D) $\Delta HIJ \cong \Delta MLI$

3)



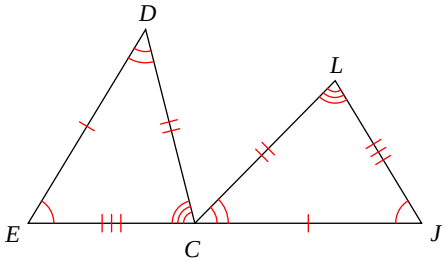
A) $\Delta XWV \cong \Delta XEF$
B) $\Delta VWX \cong \Delta EFX$
C) $\Delta XVW \cong \Delta EFX$
D) $\Delta WVX \cong \Delta EFX$

4)



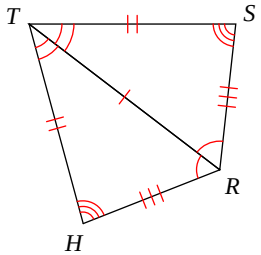
A) $\Delta FEG \cong \Delta VUE$
B) $\Delta EFG \cong \Delta VUE$
C) $\Delta EGF \cong \Delta UEV$
D) $\Delta EFG \cong \Delta EUV$

5)



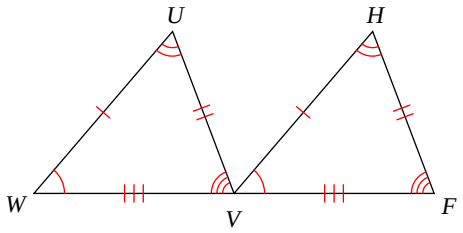
A) $\Delta CDE \cong \Delta CJL$
B) $\Delta DEC \cong \Delta JLC$
C) $\Delta ECD \cong \Delta CLJ$
D) $\Delta EDC \cong \Delta JCL$

6)



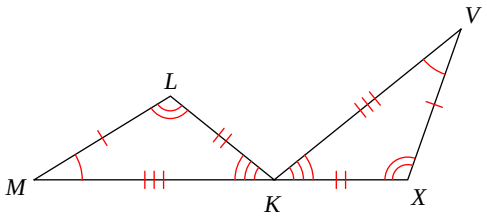
A) $\Delta TRS \cong \Delta HTR$
B) $\Delta RTS \cong \Delta HRT$
C) $\Delta TSR \cong \Delta TRH$
D) $\Delta RTS \cong \Delta RTH$

7)



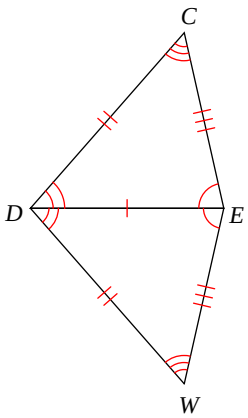
A) $\Delta VUW \cong \Delta HFV$
B) $\Delta WUV \cong \Delta VHF$
C) $\Delta UVW \cong \Delta HVF$
D) $\Delta VUW \cong \Delta HVF$

8)



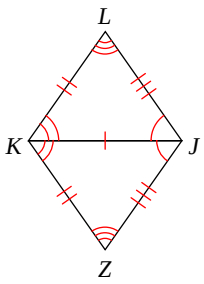
A) $\Delta LKM \cong \Delta KXV$
B) $\Delta LMK \cong \Delta KVX$
C) $\Delta KLM \cong \Delta VKX$
D) $\Delta MLK \cong \Delta VXK$

9)



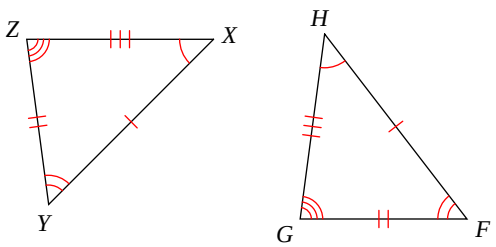
A) $\Delta EDC \cong \Delta EDW$
B) $\Delta DEC \cong \Delta DWE$
C) $\Delta CED \cong \Delta DWE$
D) $\Delta EDC \cong \Delta WED$

10)



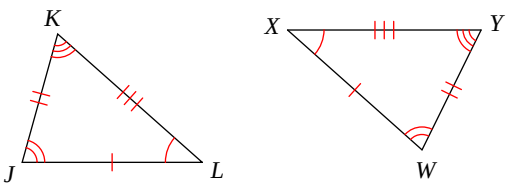
A) $\Delta LKJ \cong \Delta ZJK$
B) $\Delta KLJ \cong \Delta ZJK$
C) $\Delta LKJ \cong \Delta JKZ$
D) $\Delta JKL \cong \Delta JKZ$

11)



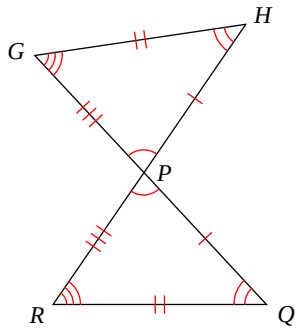
A) $\Delta YZX \cong \Delta GHF$
B) $\Delta ZXY \cong \Delta GFH$
C) $\Delta XYZ \cong \Delta HFG$
D) $\Delta YZX \cong \Delta HFG$

12)



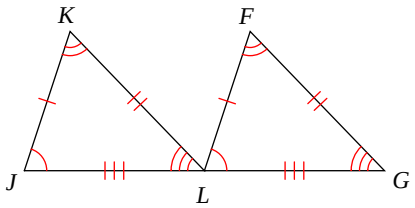
A) $\Delta JKL \cong \Delta XWY$
B) $\Delta JKL \cong \Delta WXY$
C) $\Delta JLK \cong \Delta YWX$
D) $\Delta LJK \cong \Delta XWY$

13)



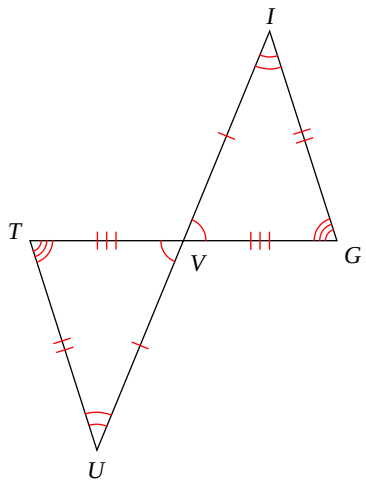
A) $\Delta QRP \cong \Delta PGH$
B) $\Delta PQR \cong \Delta PHG$
C) $\Delta QRP \cong \Delta PHG$
D) $\Delta QPR \cong \Delta PGH$

14)



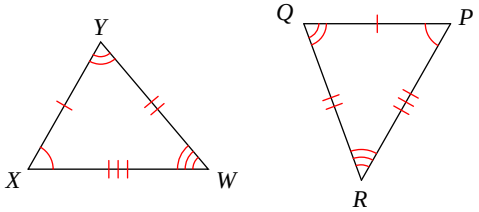
A) $\Delta JKL \cong \Delta LFG$
B) $\Delta LJK \cong \Delta GFL$
C) $\Delta LJK \cong \Delta LFG$
D) $\Delta LKJ \cong \Delta FLG$

15)



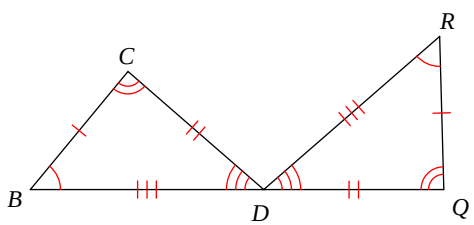
A) $\Delta VUT \cong \Delta VIG$
B) $\Delta UTV \cong \Delta GVI$
C) $\Delta TUV \cong \Delta IVG$
D) $\Delta TVU \cong \Delta VIG$

16)



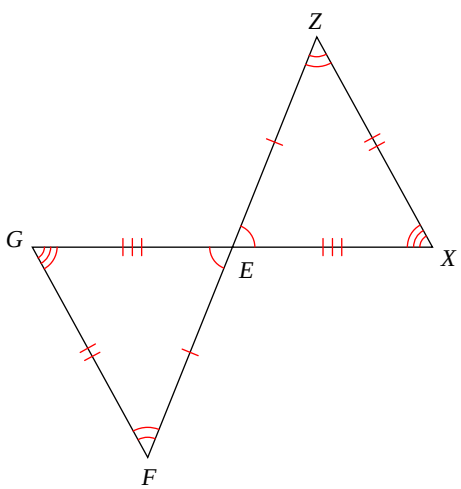
A) $\Delta YWX \cong \Delta PQR$
B) $\Delta XYW \cong \Delta PQR$
C) $\Delta YXW \cong \Delta PRQ$
D) $\Delta WYX \cong \Delta QPR$

17)



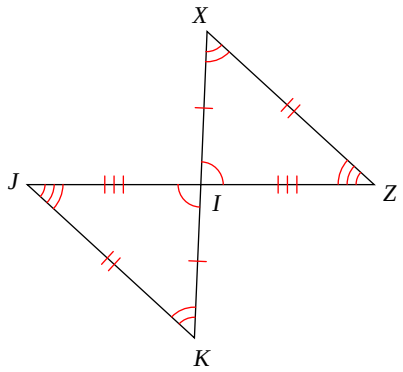
A) $\Delta BDC \cong \Delta QRD$
B) $\Delta BDC \cong \Delta QDR$
C) $\Delta CBD \cong \Delta DRQ$
D) $\Delta BCD \cong \Delta RQD$

18)



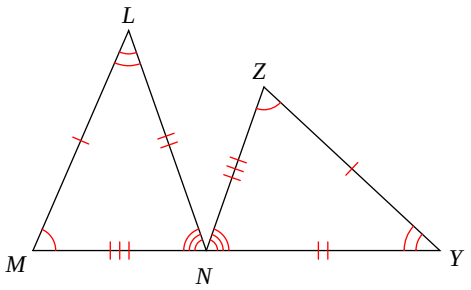
A) $\Delta EFG \cong \Delta EZX$
B) $\Delta EGF \cong \Delta ZXE$
C) $\Delta EFG \cong \Delta EXZ$
D) $\Delta GFE \cong \Delta EXZ$

19)



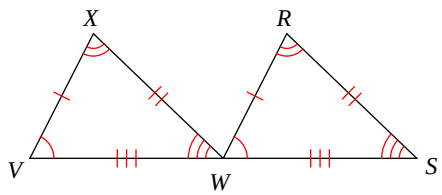
A) $\Delta KIJ \cong \Delta ZXI$
B) $\Delta IKJ \cong \Delta IXZ$
C) $\Delta KJI \cong \Delta IXZ$
D) $\Delta IJK \cong \Delta ZXI$

20)



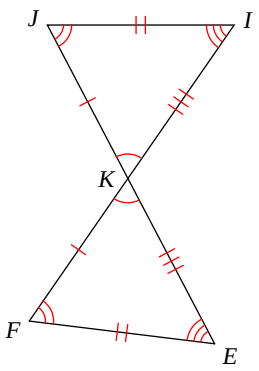
A) $\Delta LMN \cong \Delta NZY$
B) $\Delta MLN \cong \Delta ZYN$
C) $\Delta MNL \cong \Delta YZN$
D) $\Delta LNM \cong \Delta ZNY$

21)



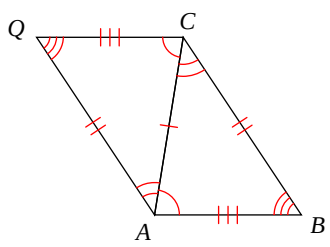
A) $\Delta XVW \cong \Delta WRS$
B) $\Delta VXW \cong \Delta WSR$
C) $\Delta XVW \cong \Delta SRW$
D) $\Delta VXW \cong \Delta WRS$

22)



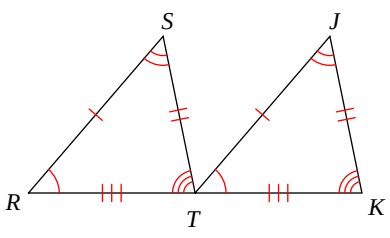
A) $\Delta KJI \cong \Delta KFE$
B) $\Delta JKI \cong \Delta FEK$
C) $\Delta IKJ \cong \Delta KFE$
D) $\Delta JIK \cong \Delta FKE$

23)



A) $\Delta CBA \cong \Delta CQA$
B) $\Delta CBA \cong \Delta QCA$
C) $\Delta ACB \cong \Delta CAQ$
D) $\Delta BAC \cong \Delta CQA$

24)



A) $\Delta RST \cong \Delta TJK$
B) $\Delta RTS \cong \Delta KJT$
C) $\Delta RTS \cong \Delta JTK$
D) $\Delta STR \cong \Delta JTK$

Answers to Assignment (ID: 4)

1) C
2) A
3) B
4) D
5) D
6) D
7) B
8) D
9) A
10) D
11) C
12) D
13) B
14) A
15) A
16) B
17) D
18) A
19) B
20) B
21) D
22) A
23) C
24) A

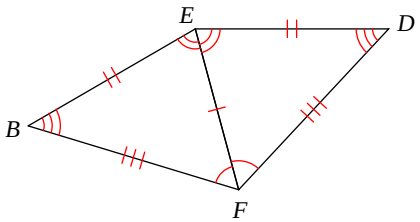
Geometry Name_____

Assignment

Date_____ Period____

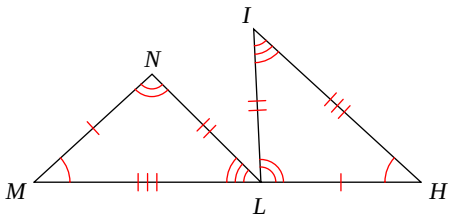
Write a statement that indicates that the triangles in each pair are congruent.

1)



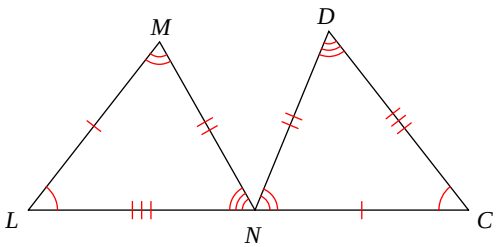
A) $\Delta FDE \cong \Delta BFE$
B) $\Delta DEF \cong \Delta FBE$
C) $\Delta FED \cong \Delta FEB$
D) $\Delta FED \cong \Delta BEF$

2)



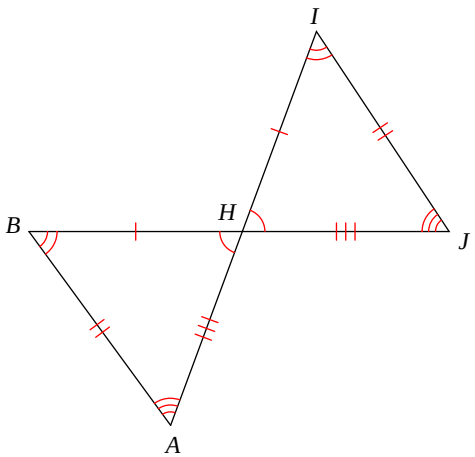
A) $\Delta MNL \cong \Delta HLI$
B) $\Delta LMN \cong \Delta ILH$
C) $\Delta NML \cong \Delta ILH$
D) $\Delta NML \cong \Delta LIH$

3)



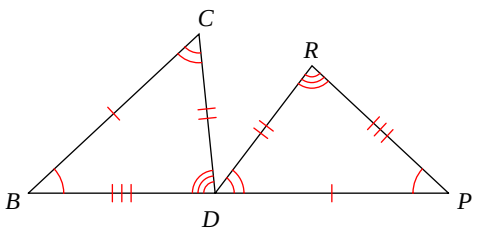
A) $\Delta LMN \cong \Delta CND$
B) $\Delta NLM \cong \Delta NCD$
C) $\Delta LMN \cong \Delta CDN$
D) $\Delta MLN \cong \Delta DNC$

4)



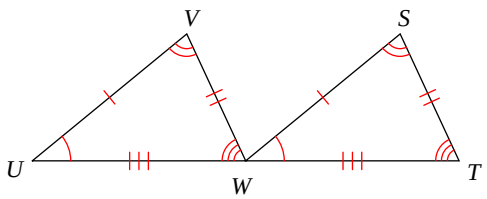
A) $\Delta JIH \cong \Delta BHA$
B) $\Delta HJI \cong \Delta ABH$
C) $\Delta HIJ \cong \Delta HBA$
D) $\Delta HIJ \cong \Delta AHB$

5)



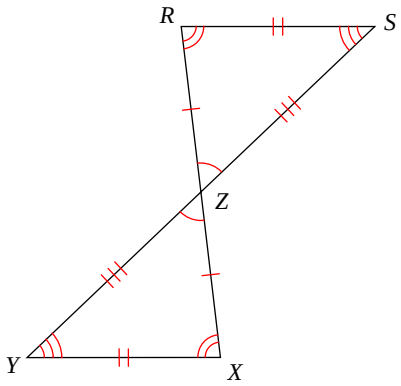
A) $\Delta BCD \cong \Delta PDR$
B) $\Delta BCD \cong \Delta RPD$
C) $\Delta CBD \cong \Delta PRD$
D) $\Delta DCB \cong \Delta PDR$

6)



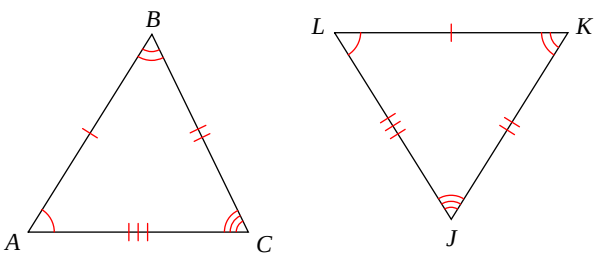
A) $\Delta WUV \cong \Delta WTS$
B) $\Delta WUV \cong \Delta STW$
C) $\Delta WUV \cong \Delta WST$
D) $\Delta UVW \cong \Delta WST$

7)



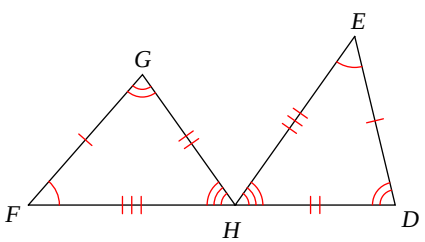
A) $\Delta XYZ \cong \Delta RZS$
B) $\Delta ZXY \cong \Delta ZRS$
C) $\Delta ZYX \cong \Delta SRZ$
D) $\Delta YXZ \cong \Delta ZRS$

8)



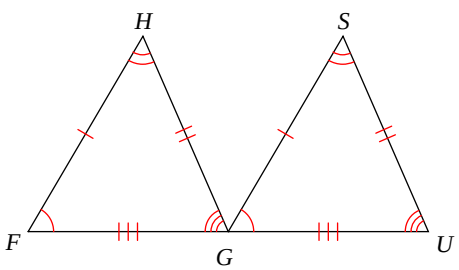
A) $\Delta CAB \cong \Delta JKL$
B) $\Delta BAC \cong \Delta LJK$
C) $\Delta ABC \cong \Delta LKJ$
D) $\Delta CBA \cong \Delta LJK$

9)



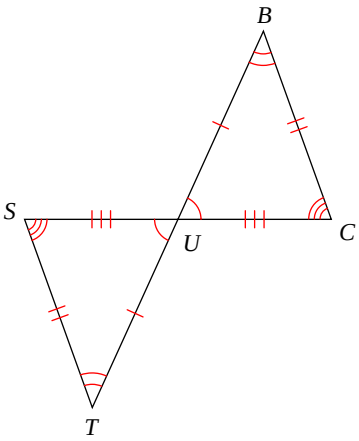
A) $\Delta FGH \cong \Delta EDH$
B) $\Delta GFH \cong \Delta DHE$
C) $\Delta HGF \cong \Delta HED$
D) $\Delta FHG \cong \Delta EDH$

10)



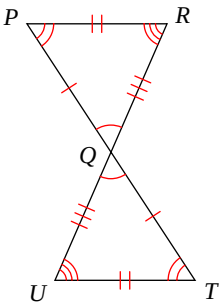
A) $\Delta FHG \cong \Delta GSU$
B) $\Delta HFG \cong \Delta USG$
C) $\Delta FHG \cong \Delta GUS$
D) $\Delta FHG \cong \Delta UGS$

11)



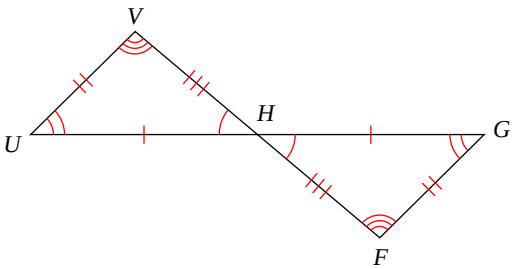
A) $\Delta UTS \cong \Delta BUC$
B) $\Delta UTS \cong \Delta UBC$
C) $\Delta TSU \cong \Delta UBC$
D) $\Delta STU \cong \Delta CUB$

12)



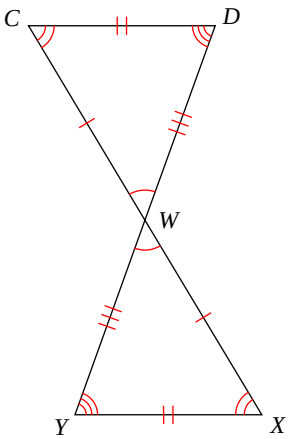
A) $\Delta QPR \cong \Delta TQU$
B) $\Delta PRQ \cong \Delta QUT$
C) $\Delta QPR \cong \Delta QTU$
D) $\Delta QRP \cong \Delta QTU$

13)



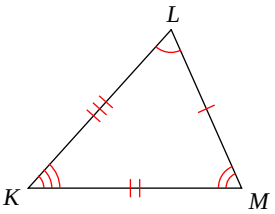
A) $\Delta GFH \cong \Delta UHV$
B) $\Delta HGF \cong \Delta HVU$
C) $\Delta HFG \cong \Delta VUH$
D) $\Delta HGF \cong \Delta HUV$

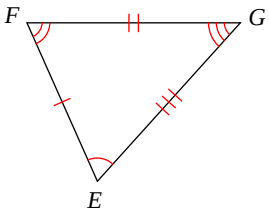
14)



A) $\Delta XWY \cong \Delta WCD$
B) $\Delta WXY \cong \Delta WCD$
C) $\Delta WYX \cong \Delta DCW$
D) $\Delta XWY \cong \Delta CDW$

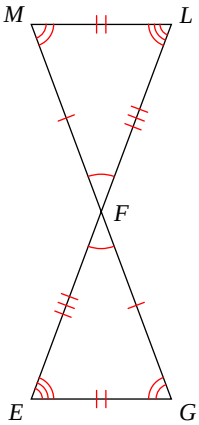
15)





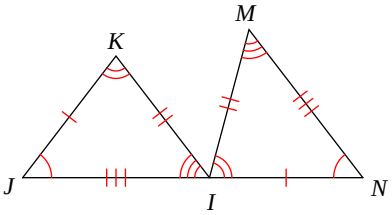
A) $\Delta MLK \cong \Delta EFG$
B) $\Delta KML \cong \Delta EFG$
C) $\Delta KLM \cong \Delta FEG$
D) $\Delta LMK \cong \Delta EFG$

16)



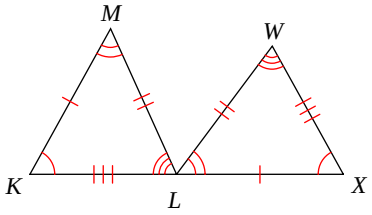
A) $\Delta FEG \cong \Delta LMF$
B) $\Delta FGE \cong \Delta FML$
C) $\Delta EFG \cong \Delta FML$
D) $\Delta EGF \cong \Delta FML$

17)



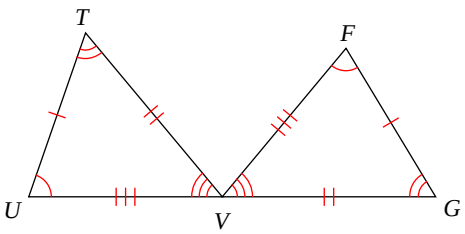
A) $\Delta KIJ \cong \Delta MNI$
B) $\Delta IKJ \cong \Delta NIM$
C) $\Delta IJK \cong \Delta INM$
D) $\Delta JKI \cong \Delta NIM$

18)



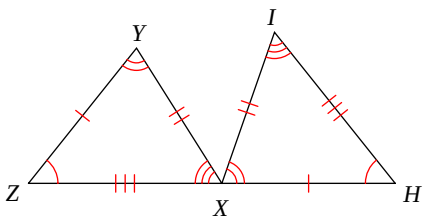
A) $\Delta KML \cong \Delta XLW$
B) $\Delta MKL \cong \Delta WLX$
C) $\Delta LKM \cong \Delta WLX$
D) $\Delta LMK \cong \Delta WXL$

19)



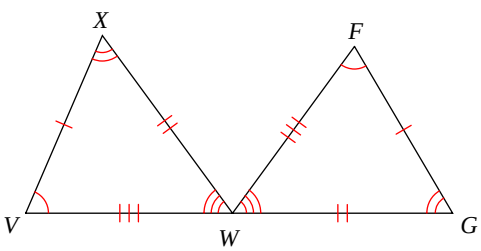
A) $\Delta UTV \cong \Delta FGV$
B) $\Delta VUT \cong \Delta VGF$
C) $\Delta VUT \cong \Delta GFV$
D) $\Delta TVU \cong \Delta VFG$

20)



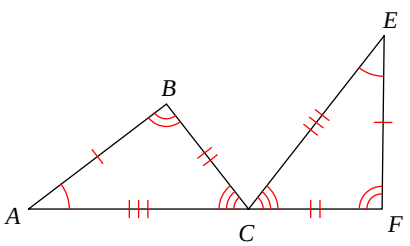
A) $\Delta XYZ \cong \Delta HXI$
B) $\Delta XZY \cong \Delta HIX$
C) $\Delta ZYX \cong \Delta HXI$
D) $\Delta ZXY \cong \Delta XIH$

21)



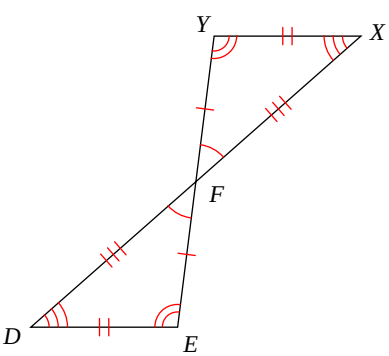
A) $\Delta VXW \cong \Delta WGF$
B) $\Delta WXV \cong \Delta FGW$
C) $\Delta VXW \cong \Delta FGW$
D) $\Delta VWX \cong \Delta FGW$

22)



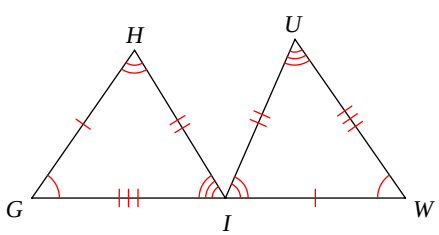
A) $\Delta ABC \cong \Delta FCE$
B) $\Delta BCA \cong \Delta FEC$
C) $\Delta ABC \cong \Delta EFC$
D) $\Delta BCA \cong \Delta EFC$

23)



A) $\Delta EFD \cong \Delta XFY$
B) $\Delta FED \cong \Delta FYX$
C) $\Delta DEF \cong \Delta FYX$
D) $\Delta EDF \cong \Delta FXY$

24)



A) $\Delta IHG \cong \Delta UWI$
B) $\Delta GIH \cong \Delta WIU$
C) $\Delta GHI \cong \Delta WIU$
D) $\Delta IGH \cong \Delta IUW$

Answers to Assignment (ID: 5)

1) C
2) A
3) A
4) C
5) A
6) D
7) B
8) C
9) A
10) A
11) B
12) C
13) D
14) B
15) D
16) B
17) D
18) A
19) A
20) C
21) C
22) C
23) B
24) C

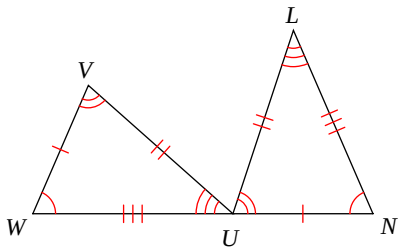
Geometry Name_____

Assignment

Date_____ Period____

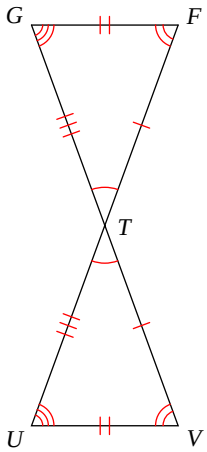
Write a statement that indicates that the triangles in each pair are congruent.

1)



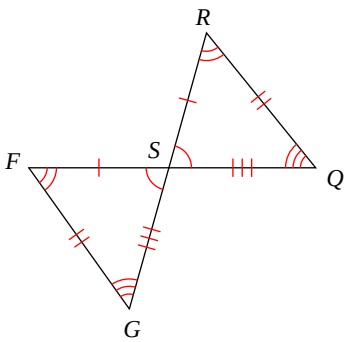
A) $\Delta VUW \cong \Delta LNU$
B) $\Delta VWU \cong \Delta NUL$
C) $\Delta WVU \cong \Delta NUL$
D) $\Delta VWU \cong \Delta NLU$

2)



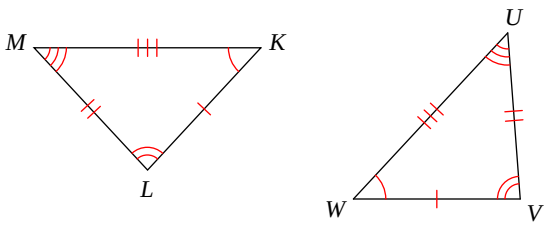
A) $\Delta UVT \cong \Delta FGT$
B) $\Delta VUT \cong \Delta TFG$
C) $\Delta TVU \cong \Delta TFG$
D) $\Delta TUV \cong \Delta GFT$

3)



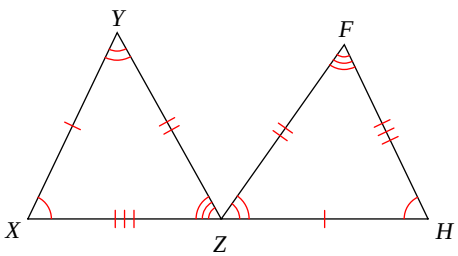
A) $\Delta SRQ \cong \Delta SFG$
B) $\Delta QRS \cong \Delta FGS$
C) $\Delta SRQ \cong \Delta GSF$
D) $\Delta SQR \cong \Delta FGS$

4)



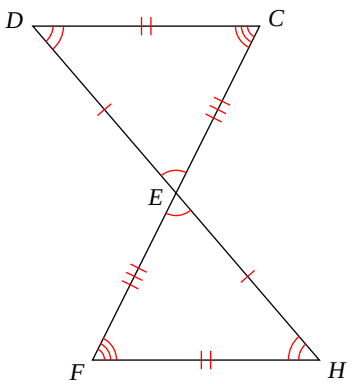
A) $\Delta MKL \cong \Delta WVU$
B) $\Delta LKM \cong \Delta WVU$
C) $\Delta KLM \cong \Delta WVU$
D) $\Delta LMK \cong \Delta UWV$

5)



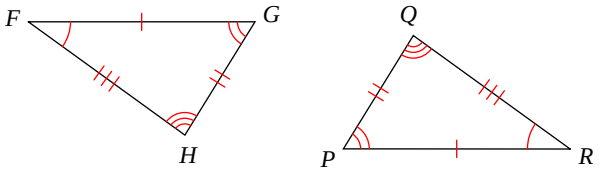
A) $\Delta XZY \cong \Delta HZF$
B) $\Delta YZX \cong \Delta FHZ$
C) $\Delta XYZ \cong \Delta HZF$
D) $\Delta YXZ \cong \Delta FZH$

6)



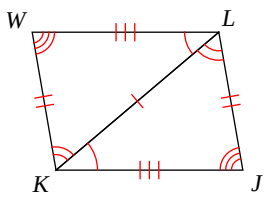
A) $\Delta CED \cong \Delta EFH$
B) $\Delta CDE \cong \Delta HEF$
C) $\Delta EDC \cong \Delta EHF$
D) $\Delta DEC \cong \Delta EHF$

7)



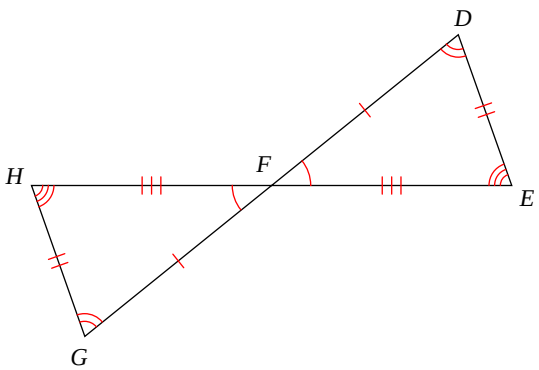
A) $\Delta HFG \cong \Delta RQP$
B) $\Delta FGH \cong \Delta RPQ$
C) $\Delta HFG \cong \Delta QPR$
D) $\Delta FGH \cong \Delta RQP$

8)



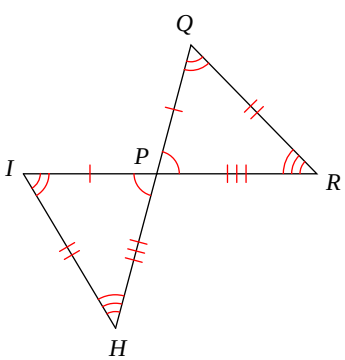
A) $\Delta KLJ \cong \Delta LKW$
B) $\Delta LKJ \cong \Delta WKL$
C) $\Delta JKL \cong \Delta LWK$
D) $\Delta LKJ \cong \Delta WLK$

9)



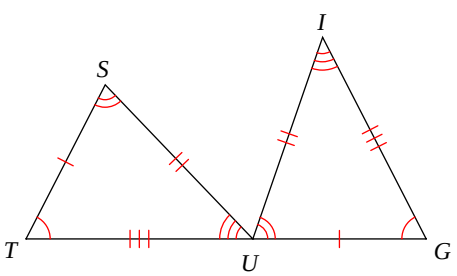
A) $\Delta FDE \cong \Delta GHF$
B) $\Delta DFE \cong \Delta HGF$
C) $\Delta DFE \cong \Delta FGH$
D) $\Delta FDE \cong \Delta FGH$

10)



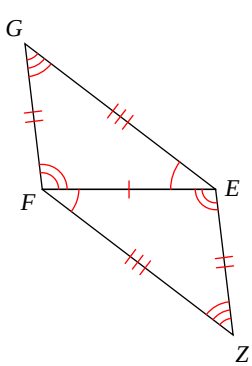
A) $\Delta PRQ \cong \Delta IPH$
B) $\Delta PQR \cong \Delta PIH$
C) $\Delta QPR \cong \Delta HIP$
D) $\Delta PRQ \cong \Delta IHP$

11)



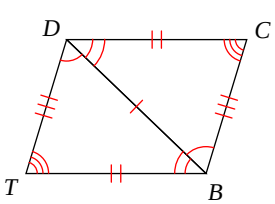
A) $\Delta TSU \cong \Delta UIG$
B) $\Delta STU \cong \Delta GIU$
C) $\Delta TSU \cong \Delta GUI$
D) $\Delta UST \cong \Delta IGU$

12)



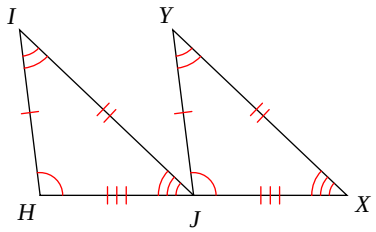
A) $\Delta EGF \cong \Delta ZEF$
B) $\Delta EFG \cong \Delta FEZ$
C) $\Delta EFG \cong \Delta EZF$

13)



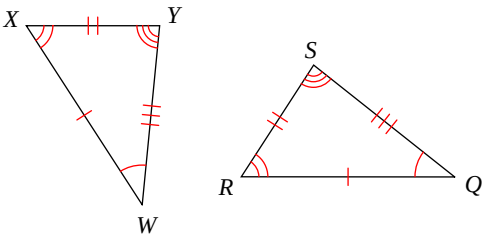
A) $\Delta BDC \cong \Delta DBT$
B) $\Delta DBC \cong \Delta DTB$
C) $\Delta DBC \cong \Delta DBT$
D) $\Delta CDB \cong \Delta DTB$

14)



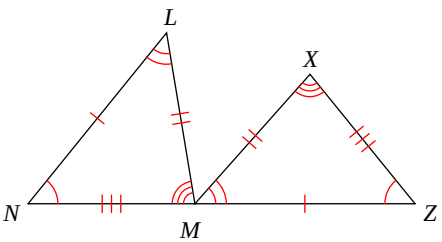
A) $\Delta JIH \cong \Delta JXY$
B) $\Delta JHI \cong \Delta YJX$
C) $\Delta JIH \cong \Delta YJX$
D) $\Delta HIJ \cong \Delta JYX$

15)



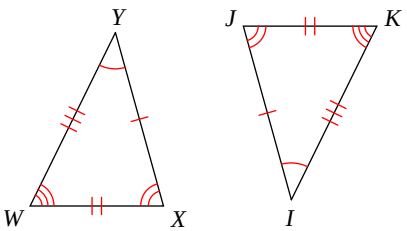
A) $\Delta XWY \cong \Delta QRS$
B) $\Delta WXY \cong \Delta SRQ$
C) $\Delta WXY \cong \Delta QRS$
D) $\Delta WYX \cong \Delta RSQ$

16)



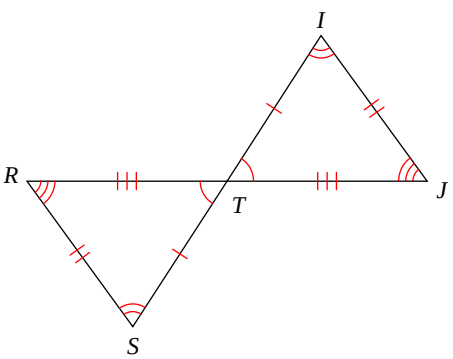
A) $\Delta NML \cong \Delta XZM$
B) $\Delta LMN \cong \Delta ZMX$
C) $\Delta MLN \cong \Delta MZX$
D) $\Delta NLM \cong \Delta ZMX$

17)



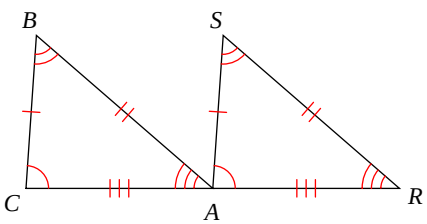
A) $\Delta XWY \cong \Delta IJK$
B) $\Delta WXY \cong \Delta IJK$
C) $\Delta WYX \cong \Delta JIK$
D) $\Delta YXW \cong \Delta IJK$

18)



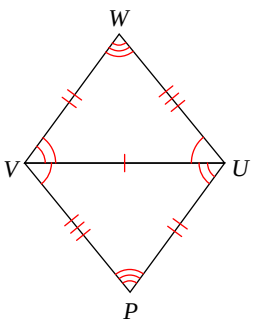
A) $\Delta TSR \cong \Delta TIJ$
B) $\Delta TRS \cong \Delta ITJ$
C) $\Delta RTS \cong \Delta IJT$
D) $\Delta SRT \cong \Delta JTI$

19)



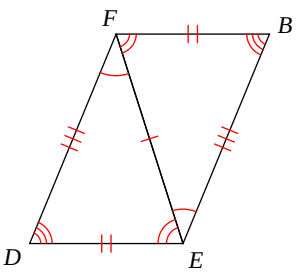
A) $\Delta CBA \cong \Delta ASR$
B) $\Delta CAB \cong \Delta RSA$
C) $\Delta ABC \cong \Delta SRA$
D) $\Delta BCA \cong \Delta SRA$

20)



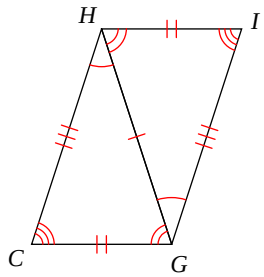
A) $\Delta UVW \cong \Delta VUP$
B) $\Delta VWU \cong \Delta UVP$
C) $\Delta UVW \cong \Delta UVP$
D) $\Delta VUW \cong \Delta VUP$

21)



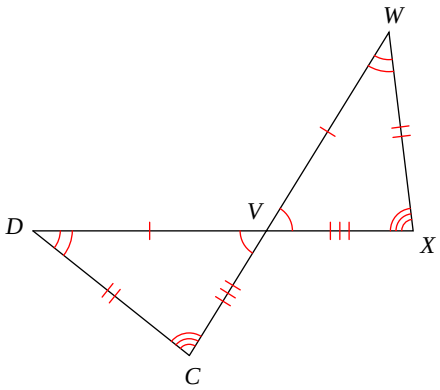
A) $\Delta DFE \cong \Delta FEB$
B) $\Delta DFE \cong \Delta BFE$
C) $\Delta FED \cong \Delta EBF$
D) $\Delta FED \cong \Delta EFB$

22)



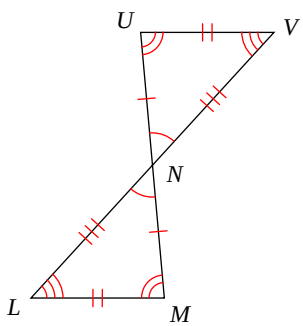
A) $\Delta GHI \cong \Delta HGC$
B) $\Delta GHI \cong \Delta GCH$
C) $\Delta HIG \cong \Delta GHC$
D) $\Delta IHG \cong \Delta HCG$

23)



A) $\Delta XVW \cong \Delta DCV$
B) $\Delta WVX \cong \Delta CVD$
C) $\Delta VWX \cong \Delta VDC$
D) $\Delta VXW \cong \Delta CDV$

24)



A) $\Delta NML \cong \Delta NVU$
B) $\Delta NML \cong \Delta NUV$
C) $\Delta NLM \cong \Delta UNV$
D) $\Delta LMN \cong \Delta NUV$

Answers to Assignment (ID: 6)

1) C
2) C
3) A
4) C
5) C
6) C
7) B
8) A
9) D
10) B
11) C
12) B
13) A
14) D
15) C
16) D
17) D
18) A
19) A
20) A
21) D
22) A
23) C
24) B

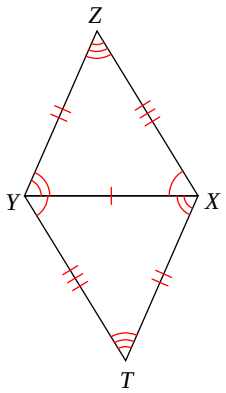
Geometry Name_____

Assignment

Date_____ Period____

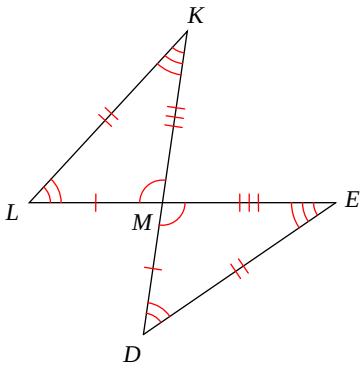
Write a statement that indicates that the triangles in each pair are congruent.

1)



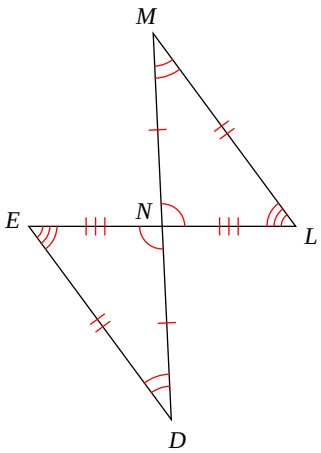
A) $\Delta ZXY \cong \Delta YTX$
B) $\Delta XZY \cong \Delta YXT$
C) $\Delta XZY \cong \Delta XYT$
D) $\Delta XYZ \cong \Delta YXT$

2)



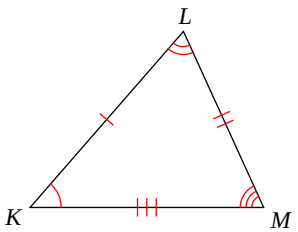
A) $\Delta LKM \cong \Delta EDM$
B) $\Delta MLK \cong \Delta MDE$
C) $\Delta MKL \cong \Delta EMD$
D) $\Delta MLK \cong \Delta DME$

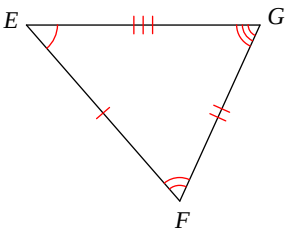
3)



A) $\Delta NML \cong \Delta NDE$
B) $\Delta NML \cong \Delta NED$
C) $\Delta NML \cong \Delta DNE$
D) $\Delta MNL \cong \Delta EDN$

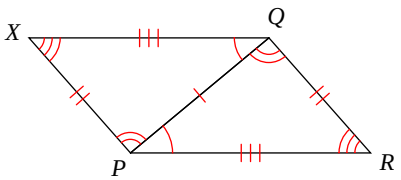
4)





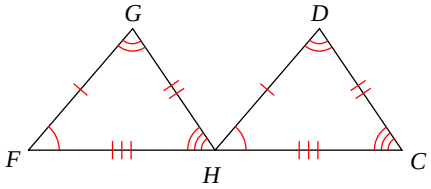
A) $\Delta KLM \cong \Delta GEF$
B) $\Delta MKL \cong \Delta FEG$
C) $\Delta KML \cong \Delta FGE$
D) $\Delta KLM \cong \Delta EFG$

5)



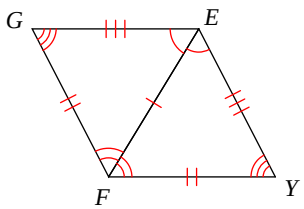
A) $\Delta RQP \cong \Delta QXP$
B) $\Delta QPR \cong \Delta XQP$
C) $\Delta QRP \cong \Delta QPX$
D) $\Delta PQR \cong \Delta QPX$

6)



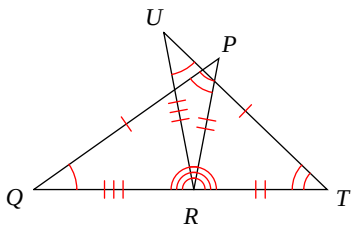
A) $\Delta GFH \cong \Delta DCH$
B) $\Delta FHG \cong \Delta CHD$
C) $\Delta FGH \cong \Delta HDC$
D) $\Delta HFG \cong \Delta DHC$

7)



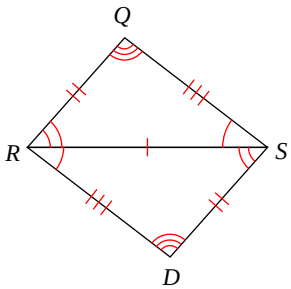
A) $\Delta FEG \cong \Delta EFY$
B) $\Delta EFG \cong \Delta EFY$
C) $\Delta EFG \cong \Delta FEY$
D) $\Delta FGE \cong \Delta YEF$

8)



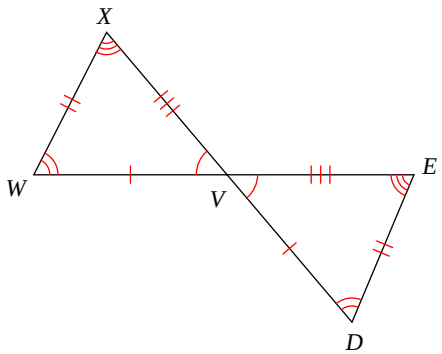
A) $\Delta QPR \cong \Delta UTR$
B) $\Delta PRQ \cong \Delta TUR$
C) $\Delta PQR \cong \Delta RUT$
D) $\Delta QRP \cong \Delta TUR$

9)



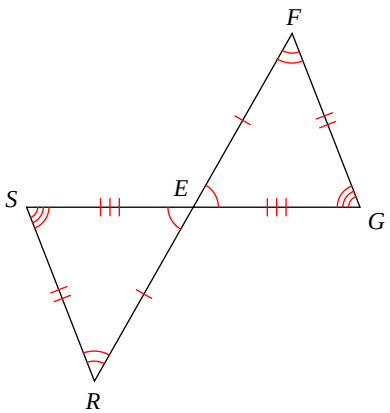
A) $\Delta QRS \cong \Delta DRS$
B) $\Delta SRQ \cong \Delta SRD$
C) $\Delta QSR \cong \Delta RDS$
D) $\Delta SRQ \cong \Delta RSD$

10)



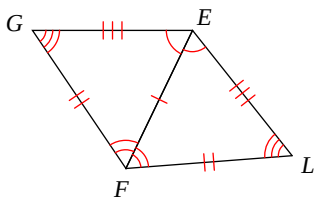
A) $\Delta VWX \cong \Delta EDV$
B) $\Delta VWX \cong \Delta VDE$
C) $\Delta WVX \cong \Delta VED$
D) $\Delta WXV \cong \Delta EDV$

11)



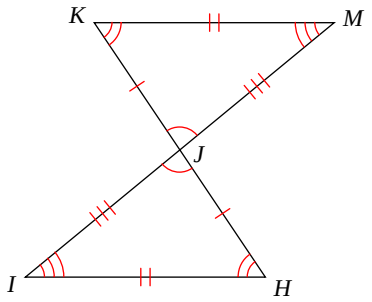
A) $\Delta GEF \cong \Delta SRE$
B) $\Delta FGE \cong \Delta ESR$
C) $\Delta EFG \cong \Delta RES$

12)



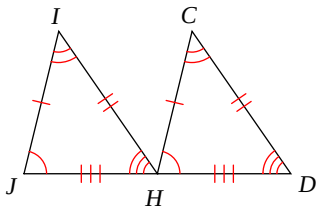
A) $\Delta EFG \cong \Delta ELF$
B) $\Delta EFG \cong \Delta EFL$
C) $\Delta FGE \cong \Delta ELF$
D) $\Delta EFG \cong \Delta FEL$

13)



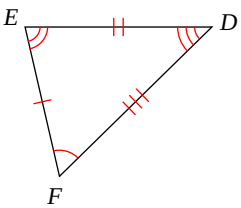
A) $\Delta HJI \cong \Delta MKJ$
B) $\Delta JHI \cong \Delta JKM$
C) $\Delta HJI \cong \Delta MJK$
D) $\Delta IJH \cong \Delta KMJ$

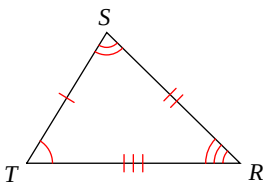
14)



A) $\Delta IJH \cong \Delta CDH$
B) $\Delta JIH \cong \Delta HCD$
C) $\Delta HJI \cong \Delta CHD$
D) $\Delta JIH \cong \Delta HDC$

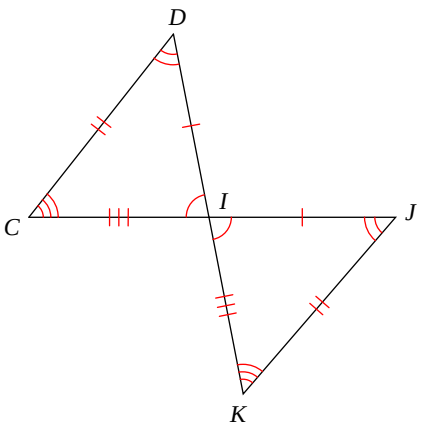
15)





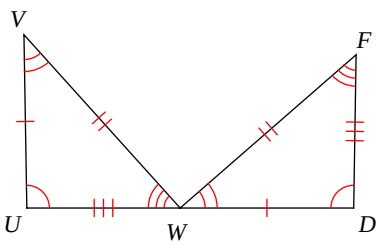
A) $\Delta EFD \cong \Delta TRS$
B) $\Delta FED \cong \Delta RST$
C) $\Delta FED \cong \Delta TSR$
D) $\Delta DEF \cong \Delta SRT$

16)



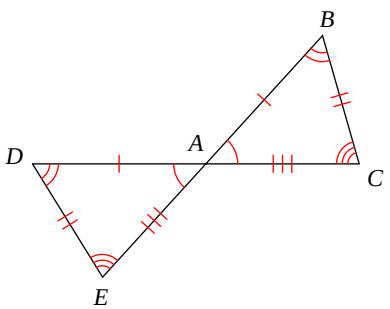
A) $\Delta KIJ \cong \Delta ICD$
B) $\Delta IJK \cong \Delta DIC$
C) $\Delta KJI \cong \Delta CID$
D) $\Delta IJK \cong \Delta IDC$

17)



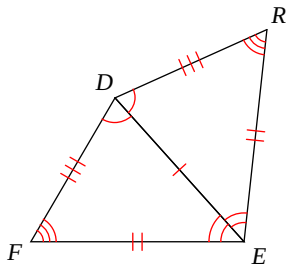
A) $\Delta UVW \cong \Delta FWD$
B) $\Delta WUV \cong \Delta WFD$
C) $\Delta UVW \cong \Delta DWF$
D) $\Delta WVU \cong \Delta DFW$

18)



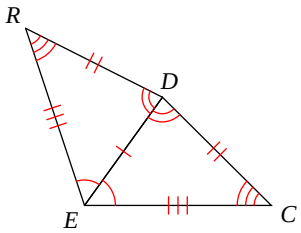
A) $\Delta BCA \cong \Delta DAE$
B) $\Delta BCA \cong \Delta EDA$
C) $\Delta BAC \cong \Delta EAD$
D) $\Delta ABC \cong \Delta ADE$

19)



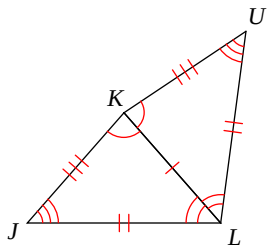
A) $\Delta DEF \cong \Delta DER$
B) $\Delta EDF \cong \Delta ERD$
C) $\Delta DEF \cong \Delta DRE$
D) $\Delta DFE \cong \Delta ERD$

20)



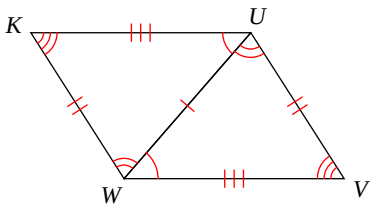
A) $\Delta DEC \cong \Delta ERD$
B) $\Delta EDC \cong \Delta EDR$
C) $\Delta DCE \cong \Delta RED$
D) $\Delta EDC \cong \Delta RDE$

21)



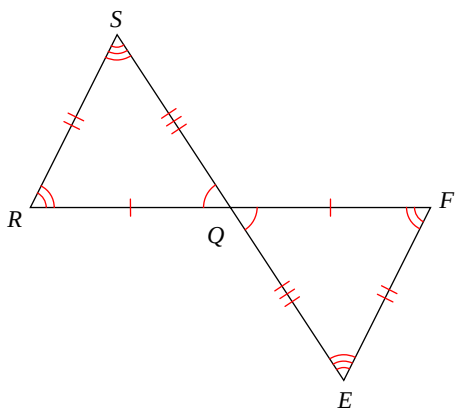
A) $\Delta LKJ \cong \Delta UKL$
B) $\Delta KLJ \cong \Delta KLU$
C) $\Delta JKL \cong \Delta KUL$
D) $\Delta LKJ \cong \Delta KLU$

22)



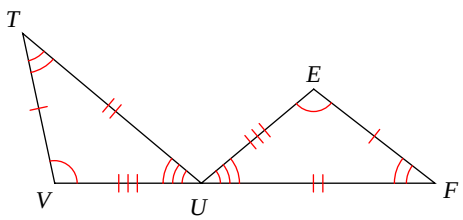
A) $\Delta VWU \cong \Delta WUK$
B) $\Delta WUV \cong \Delta UWK$
C) $\Delta WVU \cong \Delta WUK$
D) $\Delta VUW \cong \Delta WKU$

23)



A) $\Delta SQR \cong \Delta FQE$
B) $\Delta SQR \cong \Delta QEF$
C) $\Delta QRS \cong \Delta QFE$
D) $\Delta QRS \cong \Delta EFQ$

24)



A) $\Delta UVT \cong \Delta FEU$
B) $\Delta UTV \cong \Delta FUE$
C) $\Delta VTU \cong \Delta EFU$
D) $\Delta VTU \cong \Delta UFE$

Answers to Assignment (ID: 7)

1) D
2) B
3) A
4) D
5) D
6) C
7) B
8) A
9) D
10) B
11) D
12) B
13) B
14) B
15) C
16) D
17) C
18) D
19) A
20) B
21) B
22) B
23) C
24) C

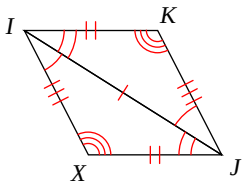
Geometry Name_____

Assignment

Date_____ Period____

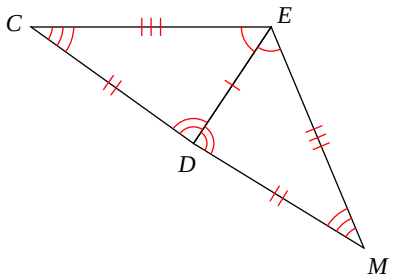
Write a statement that indicates that the triangles in each pair are congruent.

1)



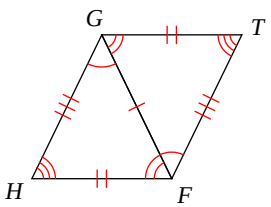
A) $\Delta IKJ \cong \Delta XIJ$
B) $\Delta JIK \cong \Delta IJX$
C) $\Delta IJK \cong \Delta IJX$
D) $\Delta JKI \cong \Delta XIJ$

2)



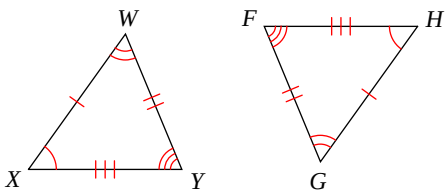
A) $\Delta CDE \cong \Delta DEM$
B) $\Delta DEC \cong \Delta DME$
C) $\Delta CED \cong \Delta EMD$
D) $\Delta EDC \cong \Delta EDM$

3)



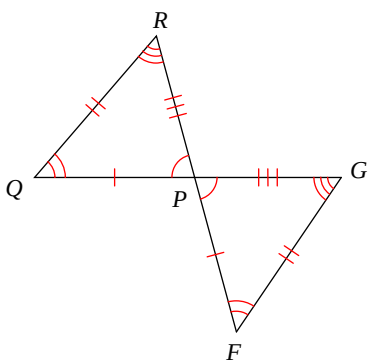
A) $\Delta FGH \cong \Delta TGF$
B) $\Delta FHG \cong \Delta FGT$
C) $\Delta GHF \cong \Delta FGT$
D) $\Delta GFH \cong \Delta FGT$

4)



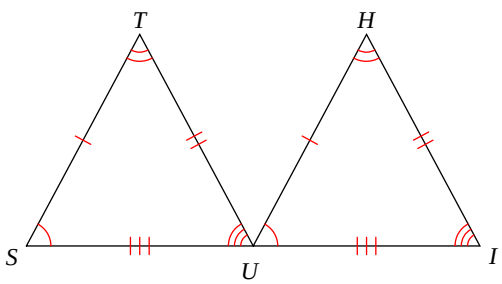
A) $\Delta XYW \cong \Delta HGF$
B) $\Delta YWX \cong \Delta HFG$
C) $\Delta XWY \cong \Delta HGF$
D) $\Delta YXW \cong \Delta GHF$

5)



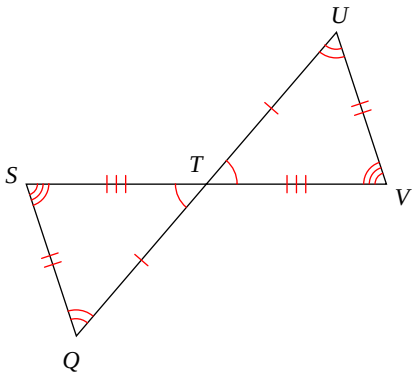
A) $\Delta QRP \cong \Delta GPF$
B) $\Delta RQP \cong \Delta FGP$
C) $\Delta RPQ \cong \Delta GFP$
D) $\Delta PQR \cong \Delta PFG$

6)



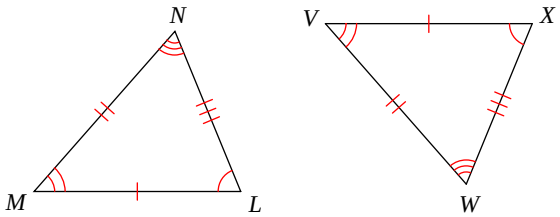
A) $\Delta STU \cong \Delta UHI$
B) $\Delta TSU \cong \Delta IHU$
C) $\Delta STU \cong \Delta HIU$
D) $\Delta TSU \cong \Delta IUH$

7)



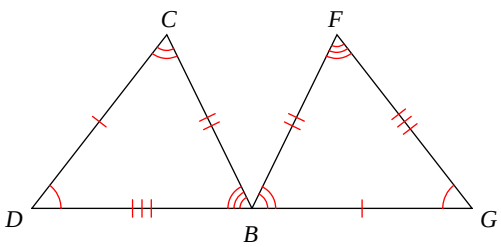
A) $\Delta VTU \cong \Delta QTS$
B) $\Delta TVU \cong \Delta STQ$
C) $\Delta TUV \cong \Delta TQS$
D) $\Delta TVU \cong \Delta TQS$

8)



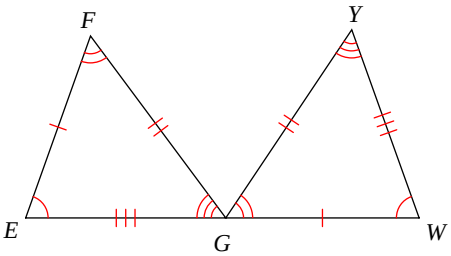
A) $\Delta NLM \cong \Delta XWV$
B) $\Delta MNL \cong \Delta WXV$
C) $\Delta LMN \cong \Delta XVW$
D) $\Delta LMN \cong \Delta VWX$

9)



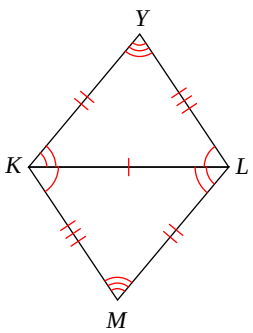
A) $\Delta CBD \cong \Delta GFB$
B) $\Delta DCB \cong \Delta GBF$
C) $\Delta BCD \cong \Delta BGF$
D) $\Delta CBD \cong \Delta FBG$

10)



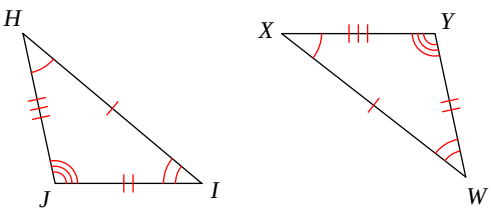
A) $\Delta EGF \cong \Delta YWG$
B) $\Delta EFG \cong \Delta WGY$
C) $\Delta GFE \cong \Delta WGY$
D) $\Delta EFG \cong \Delta YGW$

11)



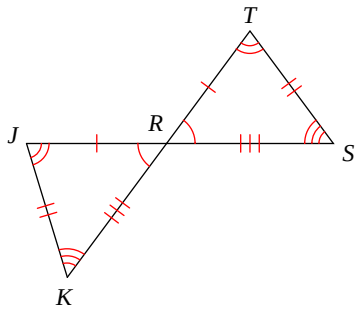
A) $\Delta KML \cong \Delta YLK$
B) $\Delta LMK \cong \Delta KLY$
C) $\Delta MLK \cong \Delta LKY$
D) $\Delta KLM \cong \Delta LKY$

12)



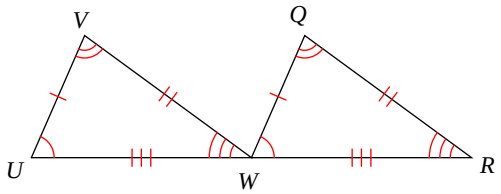
A) $\Delta JHI \cong \Delta XYW$
B) $\Delta HIJ \cong \Delta XYW$
C) $\Delta JHI \cong \Delta YWX$
D) $\Delta HIJ \cong \Delta XWY$

13)



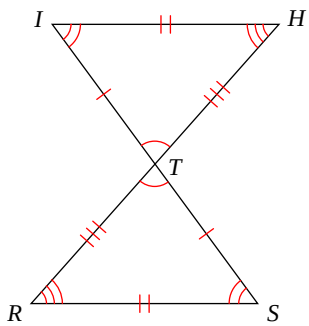
A) $\Delta SRT \cong \Delta RJK$
B) $\Delta RTS \cong \Delta KRJ$
C) $\Delta RST \cong \Delta JKR$
D) $\Delta RTS \cong \Delta RJK$

14)



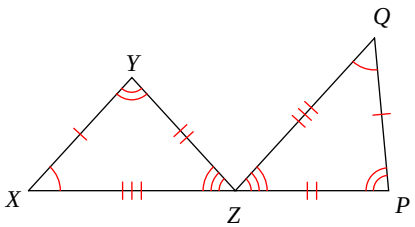
A) $\Delta WVU \cong \Delta WRQ$
B) $\Delta UWV \cong \Delta RWQ$
C) $\Delta UWV \cong \Delta QWR$
D) $\Delta UVW \cong \Delta WQR$

15)



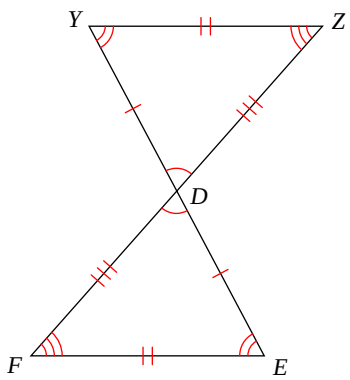
A) $\Delta TSR \cong \Delta IHT$
B) $\Delta RTS \cong \Delta TIH$
C) $\Delta TSR \cong \Delta TIH$
D) $\Delta RST \cong \Delta HTI$

16)



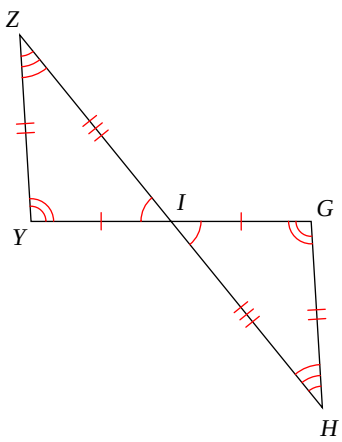
A) $\Delta YZX \cong \Delta PQZ$
B) $\Delta XYZ \cong \Delta QPZ$
C) $\Delta XZY \cong \Delta PZQ$
D) $\Delta YXZ \cong \Delta PZQ$

17)



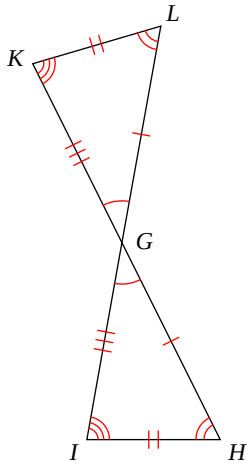
A) $\Delta DEF \cong \Delta DYZ$
B) $\Delta FDE \cong \Delta YZD$
C) $\Delta DEF \cong \Delta ZYD$
D) $\Delta FED \cong \Delta YDZ$

18)



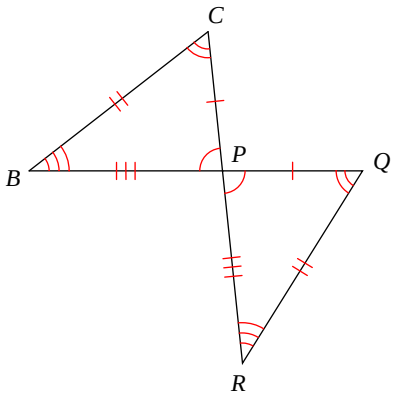
A) $\Delta GHI \cong \Delta YIZ$
B) $\Delta HIG \cong \Delta IZY$
C) $\Delta IGH \cong \Delta IYZ$
D) $\Delta IHG \cong \Delta YIZ$

19)



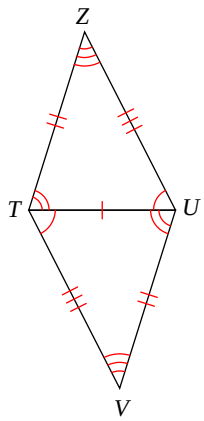
A) $\Delta GHI \cong \Delta KLG$
B) $\Delta HIG \cong \Delta KGL$
C) $\Delta GHI \cong \Delta GLK$
D) $\Delta HGI \cong \Delta GKL$

20)



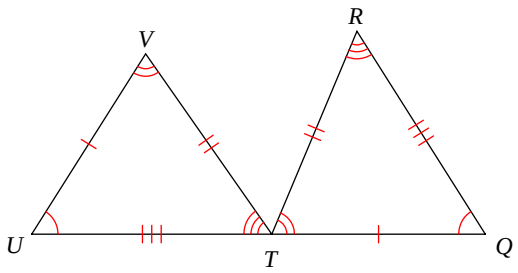
A) $\Delta RPQ \cong \Delta PBC$
B) $\Delta RPQ \cong \Delta PCB$
C) $\Delta PQR \cong \Delta PCB$
D) $\Delta RQP \cong \Delta CPB$

21)



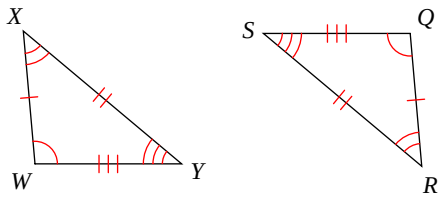
A) $\Delta VTU \cong \Delta ZTU$
B) $\Delta VUT \cong \Delta UTZ$
C) $\Delta TUV \cong \Delta UTZ$
D) $\Delta VUT \cong \Delta TZU$

22)



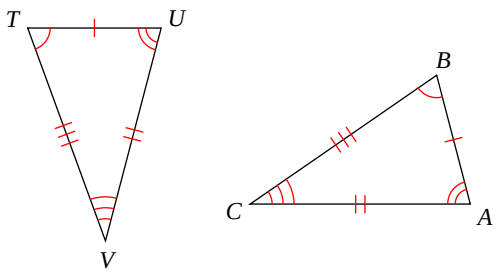
A) $\Delta UTV \cong \Delta TRQ$
B) $\Delta UVT \cong \Delta RTQ$
C) $\Delta VTU \cong \Delta QRT$
D) $\Delta UVT \cong \Delta QTR$

23)



A) $\Delta XWY \cong \Delta QRS$
B) $\Delta YXW \cong \Delta QRS$
C) $\Delta WXY \cong \Delta QRS$
D) $\Delta YXW \cong \Delta SQR$

24)



A) $\Delta TVU \cong \Delta CAB$
B) $\Delta VUT \cong \Delta ACB$
C) $\Delta TUV \cong \Delta BAC$
D) $\Delta TUV \cong \Delta ACB$

Answers to Assignment (ID: 8)

1) B
2) D
3) D
4) C
5) D
6) A
7) C
8) C
9) B
10) B
11) D
12) D
13) D
14) D
15) C
16) B
17) A
18) C
19) C
20) C
21) C
22) D
23) C
24) C

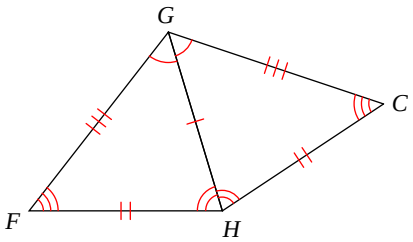
Geometry Name_____

Assignment

Date_____ Period____

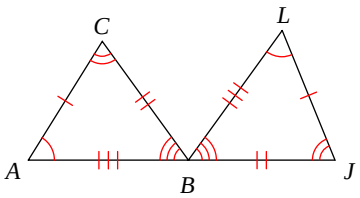
Write a statement that indicates that the triangles in each pair are congruent.

1)



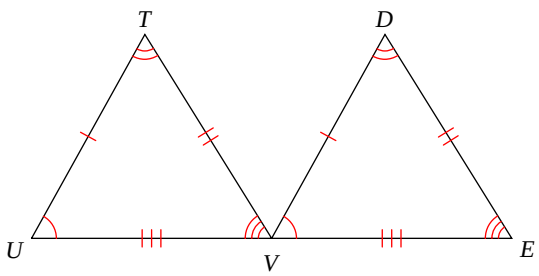
A) $\Delta HFG \cong \Delta HGC$
B) $\Delta GHF \cong \Delta GHC$
C) $\Delta FHG \cong \Delta CGH$
D) $\Delta HGF \cong \Delta GHC$

2)



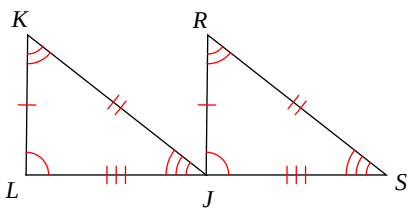
A) $\Delta ABC \cong \Delta BLJ$
B) $\Delta ABC \cong \Delta BJL$
C) $\Delta CBA \cong \Delta JLB$
D) $\Delta ACB \cong \Delta LJB$

3)



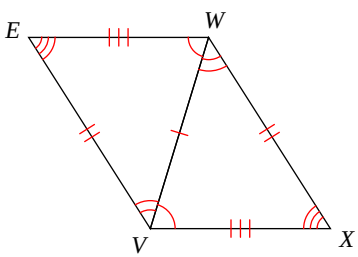
A) $\Delta TUV \cong \Delta VED$
B) $\Delta UTV \cong \Delta VDE$
C) $\Delta UVT \cong \Delta DVE$
D) $\Delta UTV \cong \Delta VED$

4)



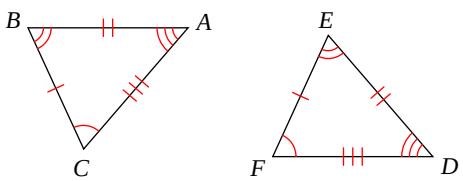
A) $\Delta JKL \cong \Delta RJS$
B) $\Delta LKJ \cong \Delta JSR$
C) $\Delta LKJ \cong \Delta JRS$
D) $\Delta KLJ \cong \Delta JRS$

5)



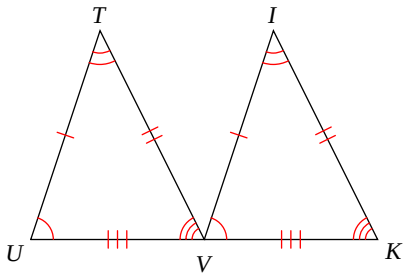
A) $\Delta WXV \cong \Delta EVW$
B) $\Delta VWX \cong \Delta WVE$
C) $\Delta XWV \cong \Delta EWV$
D) $\Delta XWV \cong \Delta WEV$

6)



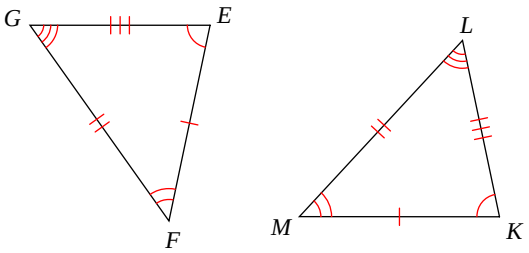
A) $\Delta BAC \cong \Delta DFE$
B) $\Delta CBA \cong \Delta FED$
C) $\Delta ABC \cong \Delta FED$
D) $\Delta BAC \cong \Delta FDE$

7)



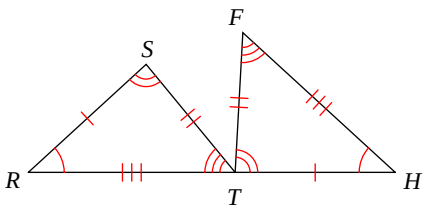
A) $\Delta VTU \cong \Delta VIK$
B) $\Delta VTU \cong \Delta KVI$
C) $\Delta VUT \cong \Delta IKV$
D) $\Delta UTV \cong \Delta VIK$

8)



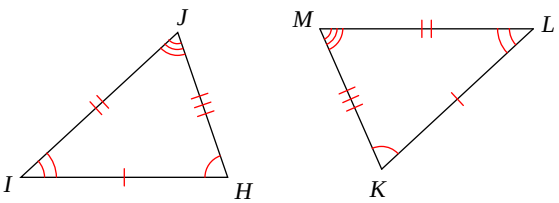
A) $\Delta EFG \cong \Delta KML$
B) $\Delta GEF \cong \Delta MKL$
C) $\Delta EFG \cong \Delta LKM$
D) $\Delta FEG \cong \Delta KML$

9)



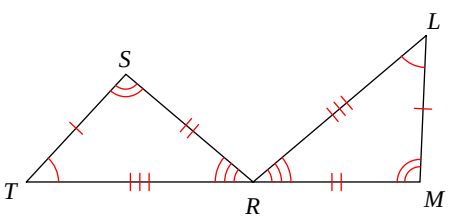
A) $\Delta TSR \cong \Delta TFH$
B) $\Delta STR \cong \Delta THF$
C) $\Delta RST \cong \Delta TFH$
D) $\Delta RST \cong \Delta HTF$

10)



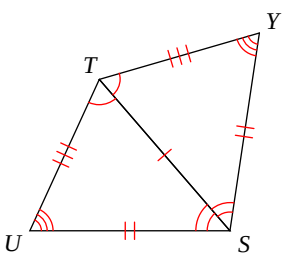
A) $\Delta HJI \cong \Delta MLK$
B) $\Delta HIJ \cong \Delta MKL$
C) $\Delta JHI \cong \Delta KLM$
D) $\Delta HIJ \cong \Delta KLM$

11)



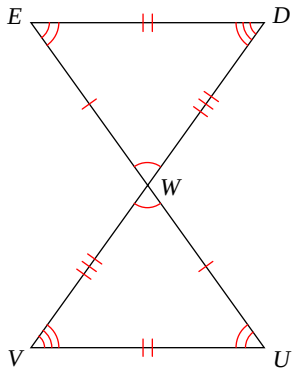
A) $\Delta RTS \cong \Delta RML$
B) $\Delta TSR \cong \Delta LMR$
C) $\Delta STR \cong \Delta RLM$
D) $\Delta SRT \cong \Delta LRM$

12)



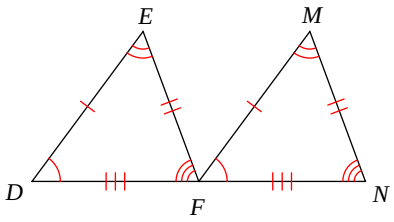
A) $\Delta TSU \cong \Delta YTS$
B) $\Delta TSU \cong \Delta TSY$
C) $\Delta TUS \cong \Delta YST$
D) $\Delta TSU \cong \Delta SYT$

13)



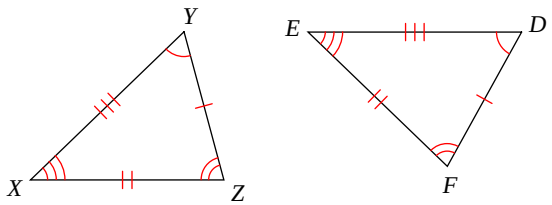
A) $\Delta UVW \cong \Delta EWD$
B) $\Delta WUV \cong \Delta WED$
C) $\Delta WVU \cong \Delta DEW$
D) $\Delta VWU \cong \Delta DEW$

14)



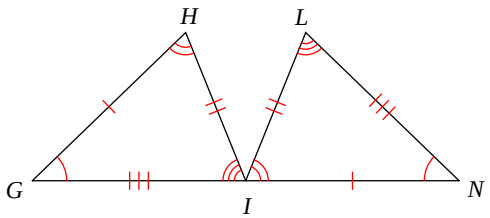
A) $\Delta EDF \cong \Delta FMN$
B) $\Delta EFD \cong \Delta FMN$
C) $\Delta DEF \cong \Delta FMN$
D) $\Delta DEF \cong \Delta NFM$

15)



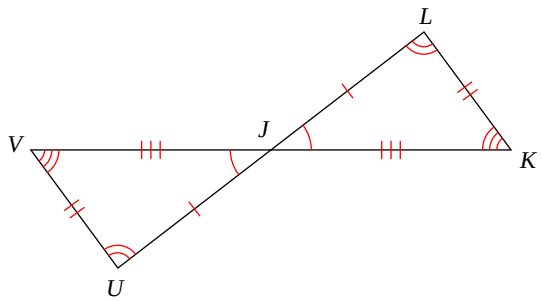
A) $\Delta YZX \cong \Delta DFE$
B) $\Delta XZY \cong \Delta FED$
C) $\Delta XYZ \cong \Delta DFE$
D) $\Delta YXZ \cong \Delta FDE$

16)



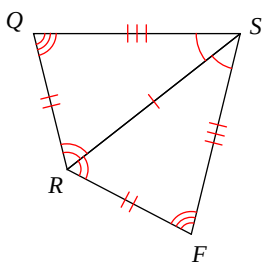
A) $\Delta GHI \cong \Delta NIL$
B) $\Delta IGH \cong \Delta NLI$
C) $\Delta HGI \cong \Delta ILN$
D) $\Delta IGH \cong \Delta LIN$

17)



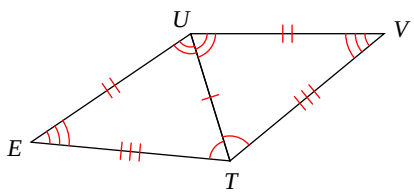
A) $\Delta LJK \cong \Delta VJU$
B) $\Delta LKJ \cong \Delta VUJ$
C) $\Delta JLK \cong \Delta JVU$
D) $\Delta JLK \cong \Delta JUV$

18)



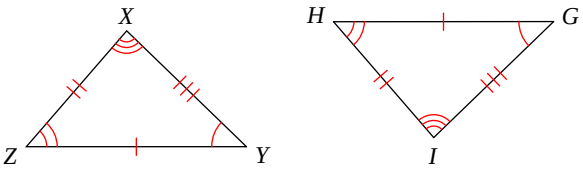
A) $\Delta RQS \cong \Delta FRS$
B) $\Delta RSQ \cong \Delta FSR$
C) $\Delta SQR \cong \Delta FRS$
D) $\Delta SRQ \cong \Delta SRF$

19)



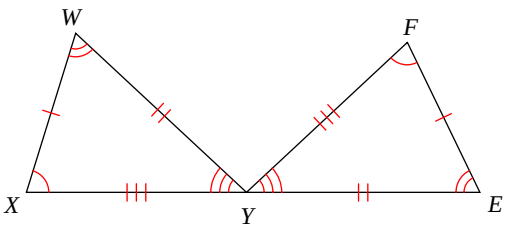
A) $\Delta TUV \cong \Delta UTE$
B) $\Delta UVT \cong \Delta UTE$
C) $\Delta TVU \cong \Delta UET$
D) $\Delta TUV \cong \Delta TUE$

20)



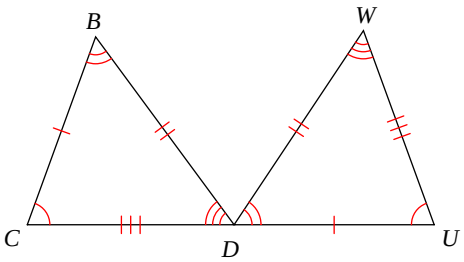
A) $\Delta ZXY \cong \Delta GHI$
B) $\Delta XYZ \cong \Delta GIH$
C) $\Delta YZX \cong \Delta GHI$
D) $\Delta ZXY \cong \Delta GIH$

21)



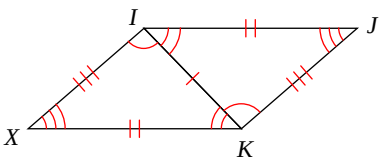
A) $\Delta XYW \cong \Delta YFE$
B) $\Delta WYX \cong \Delta FEY$
C) $\Delta XWY \cong \Delta FEY$
D) $\Delta YXW \cong \Delta FYE$

22)



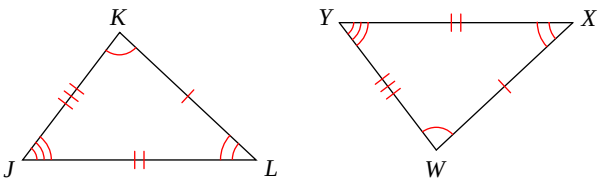
A) $\Delta CBD \cong \Delta UDW$
B) $\Delta DBC \cong \Delta DWU$
C) $\Delta DCB \cong \Delta DUW$
D) $\Delta CDB \cong \Delta DWU$

23)



A) $\Delta JKI \cong \Delta KIX$
B) $\Delta IJK \cong \Delta XKI$
C) $\Delta JKI \cong \Delta XKI$
D) $\Delta KIJ \cong \Delta IKX$

24)



A) $\Delta KLJ \cong \Delta XWY$
B) $\Delta KJL \cong \Delta XWY$
C) $\Delta KLJ \cong \Delta WXY$
D) $\Delta LKJ \cong \Delta WYX$

Answers to Assignment (ID: 9)

1) B
2) D
3) B
4) C
5) B
6) B
7) D
8) A
9) D
10) D
11) B
12) B
13) B
14) C
15) A
16) A
17) D
18) D
19) D
20) C
21) C
22) A
23) D
24) C

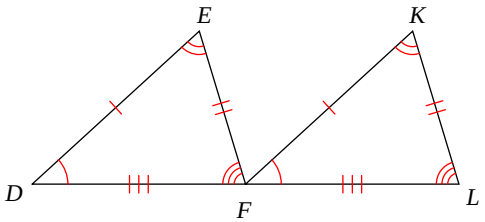
Geometry Name_____

Assignment

Date_____ Period____

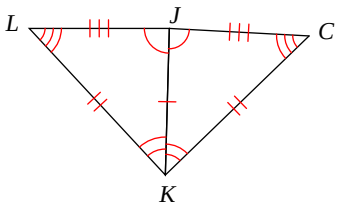
Write a statement that indicates that the triangles in each pair are congruent.

1)



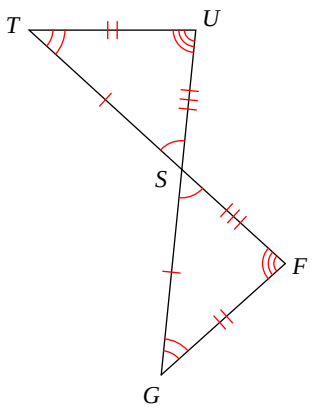
A) $\Delta EDF \cong \Delta FLK$
B) $\Delta EFD \cong \Delta FLK$
C) $\Delta DFE \cong \Delta KFL$
D) $\Delta DEF \cong \Delta FKL$

2)



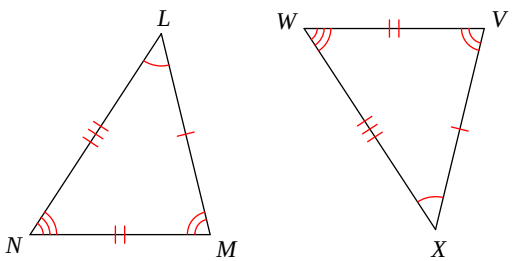
A) $\Delta LKJ \cong \Delta KJC$
B) $\Delta JKL \cong \Delta JKC$
C) $\Delta JLK \cong \Delta KCJ$
D) $\Delta JKL \cong \Delta JCK$

3)



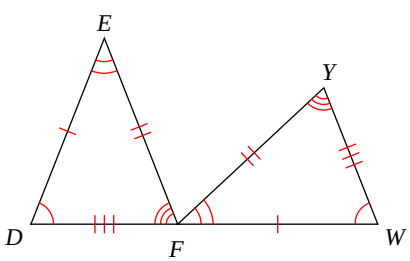
A) $\Delta TUS \cong \Delta GSF$
B) $\Delta STU \cong \Delta SGF$
C) $\Delta UTS \cong \Delta GSF$
D) $\Delta TSU \cong \Delta FGS$

4)



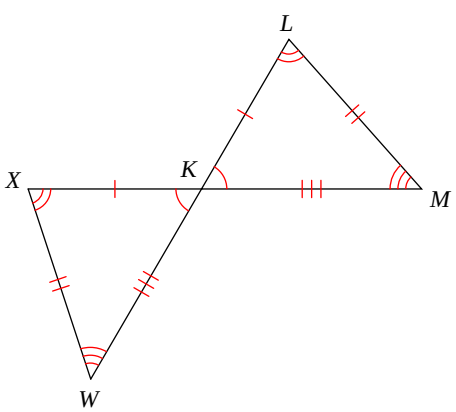
A) $\Delta MLN \cong \Delta XVW$
B) $\Delta LMN \cong \Delta XVW$
C) $\Delta LNM \cong \Delta VXW$
D) $\Delta LNM \cong \Delta WXV$

5)



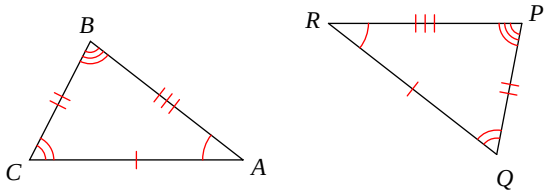
A) $\Delta DEF \cong \Delta WFY$
B) $\Delta EFD \cong \Delta WFY$
C) $\Delta EDF \cong \Delta WYF$
D) $\Delta FED \cong \Delta YWF$

6)



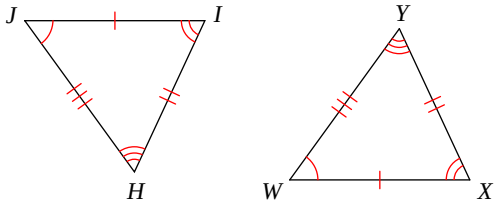
A) $\Delta MLK \cong \Delta WKX$
B) $\Delta MKL \cong \Delta KWX$
C) $\Delta LKM \cong \Delta KWX$
D) $\Delta KLM \cong \Delta KXW$

7)



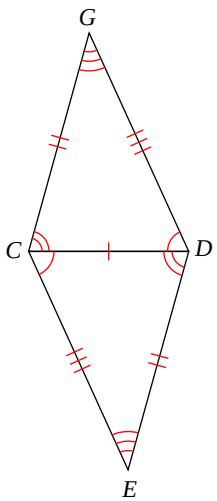
A) $\Delta CAB \cong \Delta RQP$
B) $\Delta ACB \cong \Delta RQP$
C) $\Delta CAB \cong \Delta QPR$
D) $\Delta CBA \cong \Delta PQR$

8)



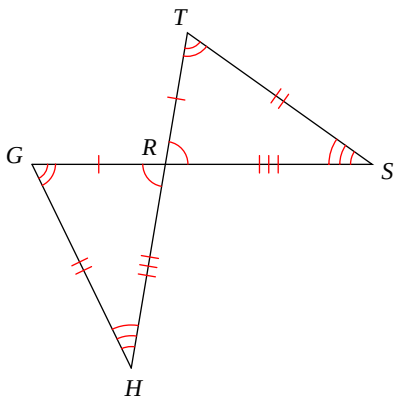
A) $\Delta IHJ \cong \Delta WYX$
B) $\Delta IJH \cong \Delta XYW$
C) $\Delta JHI \cong \Delta XWY$
D) $\Delta JIH \cong \Delta WXY$

9)



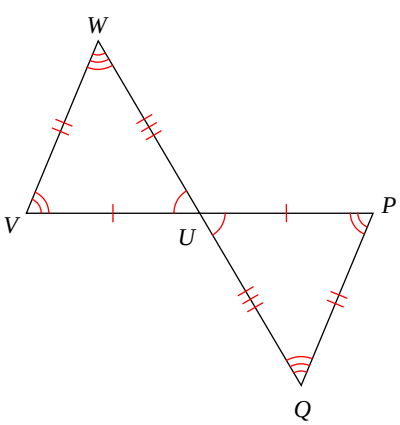
A) $\Delta ECD \cong \Delta DCG$
B) $\Delta DEC \cong \Delta GCD$
C) $\Delta CDE \cong \Delta DCG$
D) $\Delta DCE \cong \Delta DCG$

10)



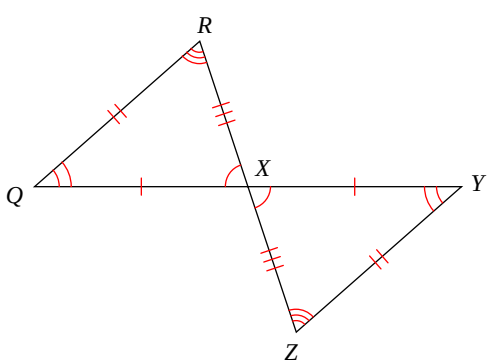
A) $\Delta RTS \cong \Delta GHR$
B) $\Delta RTS \cong \Delta RGH$
C) $\Delta RTS \cong \Delta HGR$
D) $\Delta TSR \cong \Delta RHG$

11)



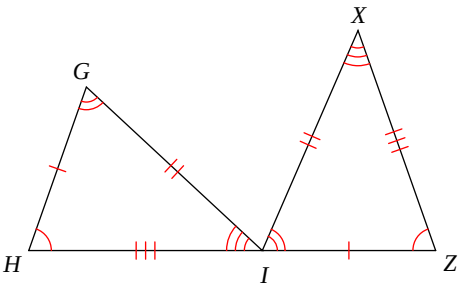
A) $\Delta WVU \cong \Delta PUQ$
B) $\Delta VUW \cong \Delta PQU$
C) $\Delta UVW \cong \Delta UPQ$
D) $\Delta VUW \cong \Delta QUP$

12)



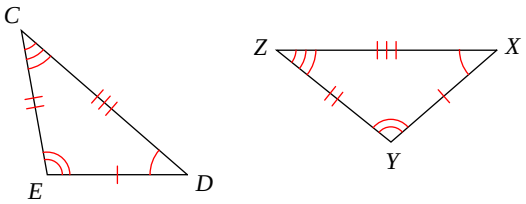
A) $\Delta ZXY \cong \Delta XRQ$
B) $\Delta XZY \cong \Delta RXQ$
C) $\Delta XYZ \cong \Delta XQR$
D) $\Delta XZY \cong \Delta RQX$

13)



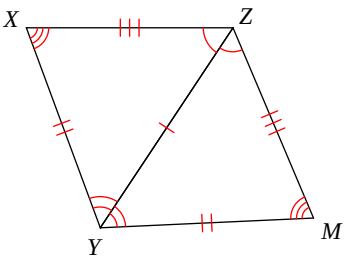
A) $\Delta GIH \cong \Delta ZXI$
B) $\Delta HGI \cong \Delta ZXI$
C) $\Delta HGI \cong \Delta ZIX$
D) $\Delta GIH \cong \Delta XZI$

14)



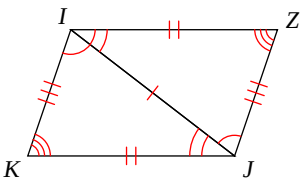
A) $\Delta CED \cong \Delta XYZ$
B) $\Delta ECD \cong \Delta XZY$
C) $\Delta DEC \cong \Delta XYZ$
D) $\Delta CED \cong \Delta YXZ$

15)



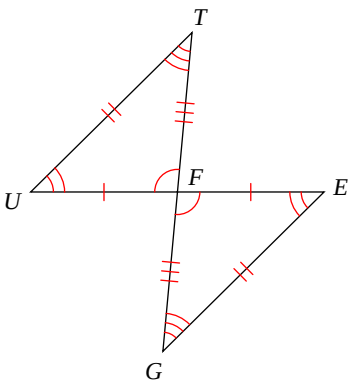
A) $\Delta ZYX \cong \Delta ZYM$
B) $\Delta YXZ \cong \Delta MZY$
C) $\Delta XZY \cong \Delta ZMY$
D) $\Delta YXZ \cong \Delta MYZ$

16)



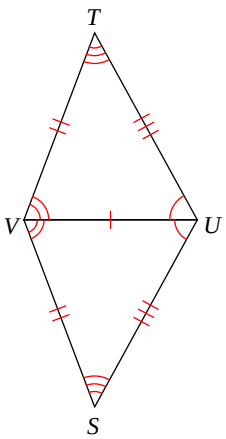
A) $\Delta KIJ \cong \Delta JZI$
B) $\Delta IJK \cong \Delta JIZ$
C) $\Delta IKJ \cong \Delta ZIJ$
D) $\Delta IKJ \cong \Delta ZJI$

17)



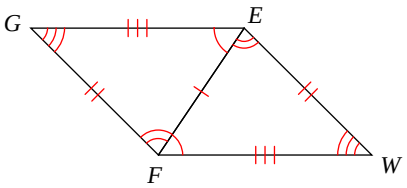
A) $\Delta FGE \cong \Delta TFU$
B) $\Delta FEG \cong \Delta FUT$
C) $\Delta EFG \cong \Delta TUF$
D) $\Delta GEF \cong \Delta UTF$

18)



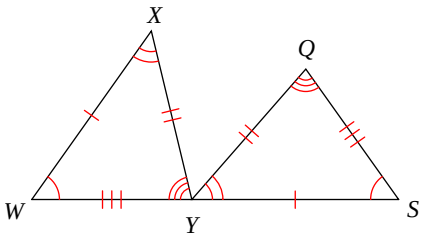
A) $\Delta VUT \cong \Delta SVU$
B) $\Delta TVU \cong \Delta VSU$
C) $\Delta UVT \cong \Delta UVS$
D) $\Delta TUV \cong \Delta USV$

19)



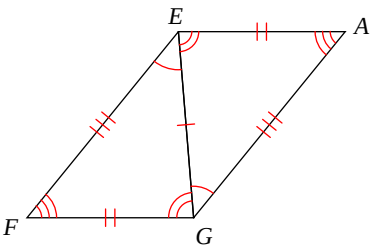
A) $\Delta EFG \cong \Delta FEW$
B) $\Delta GFE \cong \Delta EWF$
C) $\Delta EGF \cong \Delta WEF$
D) $\Delta FGE \cong \Delta WEF$

20)



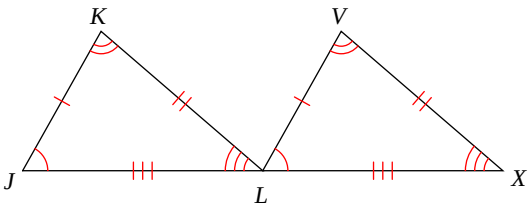
A) $\Delta WXY \cong \Delta YQS$
B) $\Delta WXY \cong \Delta SYQ$
C) $\Delta YWX \cong \Delta SYQ$
D) $\Delta XYW \cong \Delta QYS$

21)



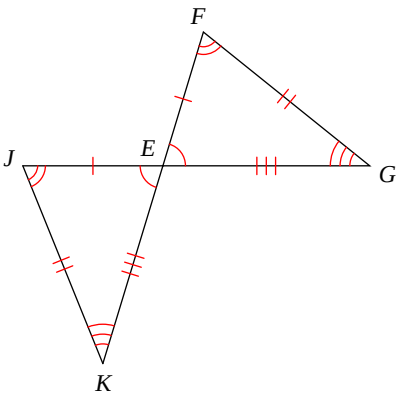
A) $\Delta EFG \cong \Delta EAG$
B) $\Delta EGF \cong \Delta GEA$
C) $\Delta FEG \cong \Delta GEA$
D) $\Delta GFE \cong \Delta GEA$

22)



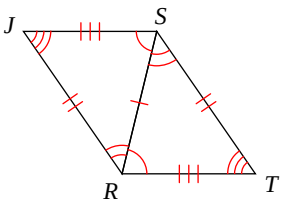
A) $\Delta KJL \cong \Delta XVL$
B) $\Delta LKJ \cong \Delta XLV$
C) $\Delta JKL \cong \Delta LXV$
D) $\Delta JKL \cong \Delta LVX$

23)



A) $\Delta EGF \cong \Delta KEJ$
B) $\Delta GFE \cong \Delta EKJ$
C) $\Delta EFG \cong \Delta KEJ$
D) $\Delta EFG \cong \Delta EJK$

24)



A) $\Delta STR \cong \Delta SJR$
B) $\Delta TSR \cong \Delta SRJ$
C) $\Delta RTS \cong \Delta RJS$
D) $\Delta RST \cong \Delta SRJ$

Answers to Assignment (ID: 10)

1) D
2) B
3) B
4) B
5) A
6) D
7) B
8) D
9) C
10) B
11) C
12) C
13) C
14) C
15) A
16) B
17) B
18) C
19) A
20) B
21) B
22) D
23) D
24) D