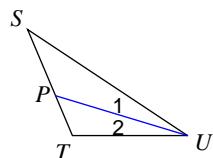


Assignment

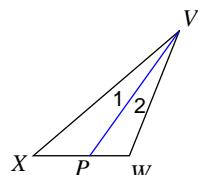
Each figure shows a triangle with one of its angle bisectors.

- 1) $m\angle 2 = 18x - 1$ and $m\angle SUT = 34x$.
Find x .



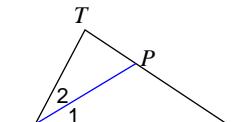
- A) 5 B) 3
C) 1 D) 6

- 2) $m\angle 2 = 3x + 2$ and $m\angle I = 4x - 2$.
Find x .



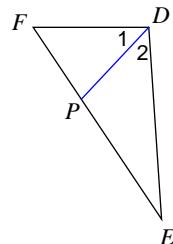
- A) 10 B) 6
C) 4 D) 8

- 3) Find x if $m\angle 2 = -1 + 16x$ and
 $m\angle I = 14x + 3$.



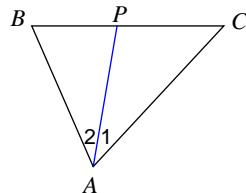
- A) 5 B) 4
C) 2 D) 8

- 4) Find x if $m\angle 1 = 6x + 5$ and
 $m\angle 2 = 5x + 12$.



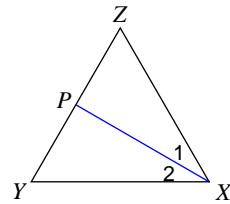
- A) 9 B) 7
C) 8 D) 4

- 5) Find x if $m\angle 2 = 12x - 3$ and
 $m\angle CAB = 23x - 3$.



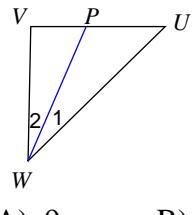
- A) 6 B) 2
C) 3 D) 9

- 6) $m\angle 2 = 4x + 2$ and $m\angle ZXY = 7x + 11$.
Find x .



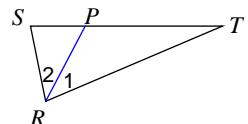
- A) 7 B) 9
C) 2 D) 4

- 7) Find x if $m\angle 2 = 3x + 7$ and
 $m\angle UWV = 7x + 9$.



- A) 9 B) 1
C) 5 D) 3

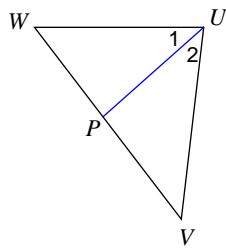
- 8) $m\angle 2 = 3x + 15$ and $m\angle TRS = 9x + 6$.
Find x .



- A) 5 B) 10
C) 8 D) 6

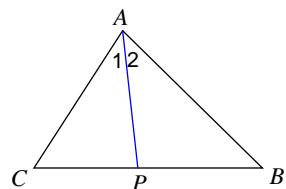


- 9) Find x if $m\angle 2 = 9x + 5$ and $m\angle 1 = 11x - 3$.



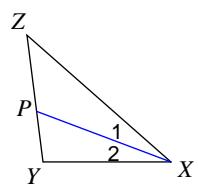
- A) 4 B) 6
C) 3 D) 5

- 10) Find x if $m\angle 2 = 4x + 11$ and $m\angle 1 = 5x + 4$.



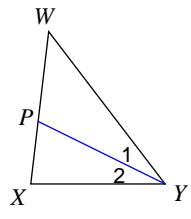
- A) 5 B) 8
C) 7 D) 2

- 11) $m\angle 2 = x + 10$ and $m\angle 1 = 2x$.
Find x .



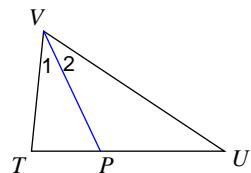
- A) 6 B) 10
C) 9 D) 2

- 12) $m\angle 1 = 27x - 1$ and $m\angle 2 = 1 + 25x$.
Find x .



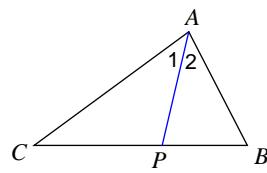
- A) 8 B) 1
C) 3 D) 4

- 13) Find x if $m\angle 1 = 16x - 1$ and $m\angle TVU = 30x + 2$.



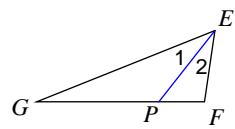
- A) 2 B) 3
C) 8 D) 10

- 14) $m\angle 2 = -2 + 7x$ and $m\angle CAB = 12x + 8$.
Find x .



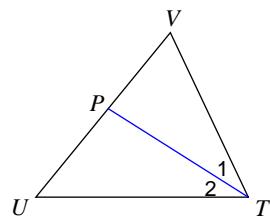
- A) 5 B) 10
C) 6 D) 1

- 15) Find x if $m\angle 2 = 8x - 2$ and $m\angle 1 = 6x + 6$.



- A) 6 B) 8
C) 4 D) 7

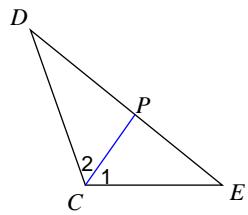
- 16) Find x if $m\angle 1 = 10x + 2$ and $m\angle 2 = -1 + 11x$.



- A) 8 B) 2
C) 3 D) 5

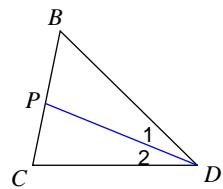


- 17) $m\angle I = 12x + 6$ and $m\angle ECD = 27x$.
Find x .



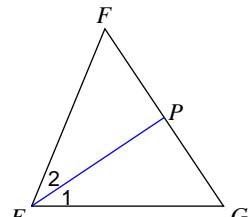
- A) 2 B) 3
C) 6 D) 4

- 18) $m\angle 2 = 21x + 1$ and $m\angle I = 22x$.
Find x .



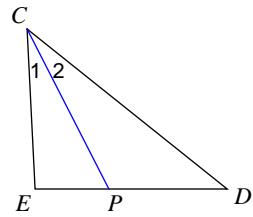
- A) 1 B) 8
C) 7 D) 5

- 19) $m\angle I = 2x + 13$ and $m\angle GEF = 6x + 6$.
Find x .



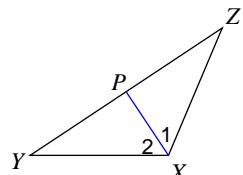
- A) 7 B) 2
C) 6 D) 10

- 20) $m\angle I = 4x - 8$ and $m\angle 2 = 2x + 8$.
Find x .



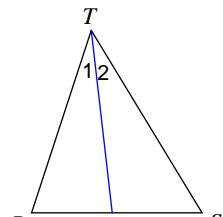
- A) 3 B) 1
C) 8 D) 4

- 21) $m\angle I = 7x - 7$ and $m\angle ZXY = 11x + 13$.
Find x .



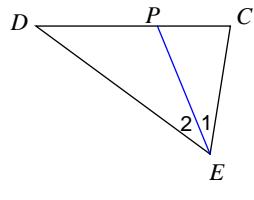
- A) 7 B) 4
C) 9 D) 2

- 22) Find x if $m\angle I = x + 14$ and
 $m\angle 2 = 2x + 4$.



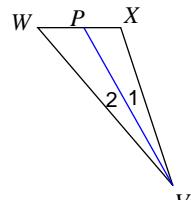
- A) 2 B) 5
C) 4 D) 10

- 23) $m\angle I = 4x + 7$ and $m\angle 2 = 6x - 5$.
Find x .



- A) 6 B) 4
C) 3 D) 8

- 24) Find x if $m\angle 2 = x + 4$ and
 $m\angle I = 2x - 3$.



- A) 10 B) 1
C) 7 D) 5

Answers to Assignment (ID: 1)

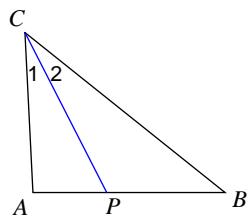
- | | | | |
|-------|-------|-------|-------|
| 1) C | 2) C | 3) C | 4) B |
| 5) C | 6) A | 7) C | 8) C |
| 9) A | 10) C | 11) B | 12) B |
| 13) A | 14) C | 15) C | 16) C |
| 17) D | 18) A | 19) D | 20) C |
| 21) C | 22) D | 23) A | 24) C |



Assignment

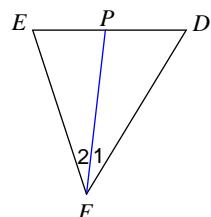
Each figure shows a triangle with one of its angle bisectors.

- 1) $m\angle I = 24x$ and $m\angle ACB = 47x + 1$.
Find x .



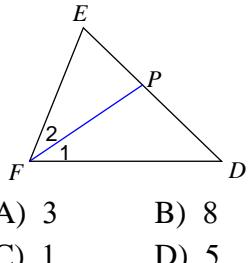
- A) 4 B) 2
C) 3 D) 1

- 2) Find x if $m\angle I = 7x - 4$ and
 $m\angle DFE = 11x + 4$.

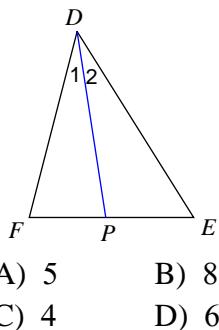


- A) 6 B) 8
C) 4 D) 7

- 3) Find x if $m\angle I = 5x - 6$ and
 $m\angle 2 = 4x + 2$.

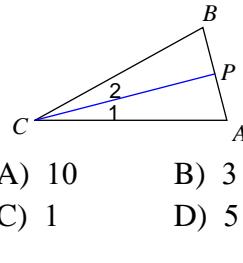


- 5) Find x if $m\angle 2 = 5x - 2$ and
 $m\angle I = 3x + 8$.



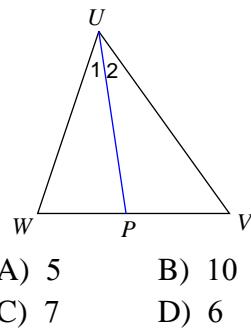
- A) 5 B) 8
C) 4 D) 6

- 4) $m\angle I = 2x - 6$ and $m\angle ACB = 3x - 2$.
Find x .



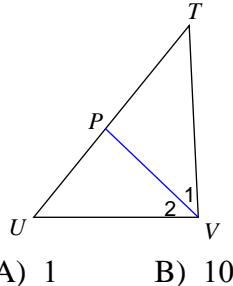
- A) 10 B) 3
C) 1 D) 5

- 6) Find x if $m\angle I = 4x + 3$ and
 $m\angle WUV = 9x$.



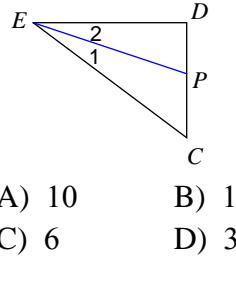
- A) 5 B) 10
C) 7 D) 6

- 7) $m\angle 2 = 44x - 1$ and $m\angle I = 42x + 1$.
Find x .



- A) 1 B) 10

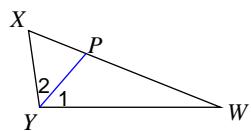
- 8) Find x if $m\angle 2 = 6x$ and
 $m\angle I = 7x - 3$.



- A) 10 B) 1
C) 6 D) 3

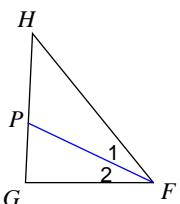


- 9) Find x if $m\angle 2 = 6x - 5$ and $m\angle WYX = -1 + 11x$.



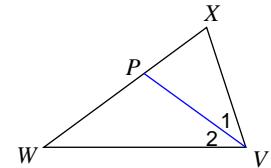
- A) 9 B) 8
C) 3 D) 4

- 10) Find x if $m\angle 2 = 7x + 4$ and $m\angle HFG = 16x + 2$.



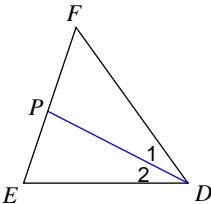
- A) 4 B) 8
C) 7 D) 3

- 11) Find x if $m\angle 2 = 37x - 1$ and $m\angle XVW = 72x$.



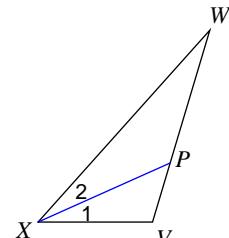
- A) 9 B) 1
C) 2 D) 7

- 12) Find x if $m\angle 2 = 3x + 3$ and $m\angle I = 4x - 5$.



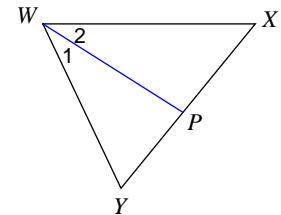
- A) 2 B) 3
C) 7 D) 8

- 13) Find x if $m\angle 2 = 4x + 4$ and $m\angle I = 5x - 1$.



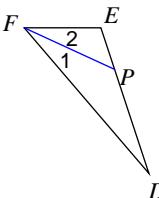
- A) 3 B) 5
C) 4 D) 7

- 15) $m\angle I = 31x + 1$ and $m\angle YWX = -1 + 65x$.
Find x .



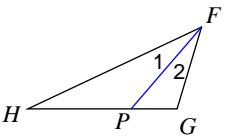
- A) 8 B) 2
C) 7 D) 1

- 14) Find x if $m\angle 2 = 12x$ and $m\angle DFE = 23x + 2$.



- A) 2 B) 9
C) 3 D) 1

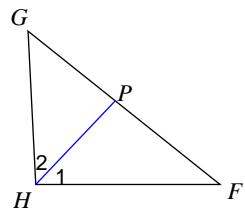
- 16) $m\angle I = 5x - 6$ and $m\angle 2 = 3x + 6$.
Find x .



- A) 10 B) 3
C) 6 D) 1

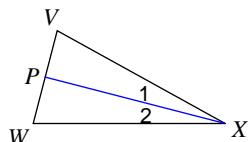


- 17) Find x if $m\angle 1 = 10x + 6$ and $m\angle 2 = 11x + 2$.



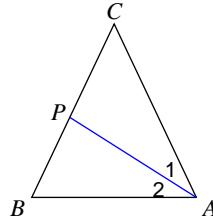
- A) 5 B) 10
C) 4 D) 3

- 18) $m\angle 2 = -2 + 4x$ and $m\angle 1 = 3x + 2$.
Find x .



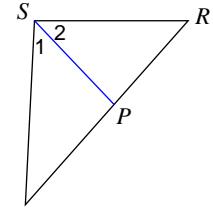
- A) 1 B) 7
C) 6 D) 4

- 19) Find x if $m\angle 1 = 32x$ and $m\angle 2 = 1 + 31x$.



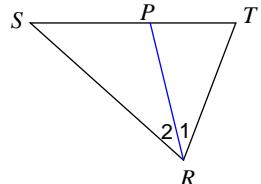
- A) 8 B) 1
C) 10 D) 2

- 20) $m\angle 2 = 15x + 1$ and $m\angle 1 = 14x + 4$.
Find x .



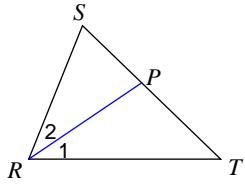
- A) 5 B) 3
C) 8 D) 6

- 21) Find x if $m\angle 1 = 7x - 1$ and $m\angle 2 = 5x + 9$.



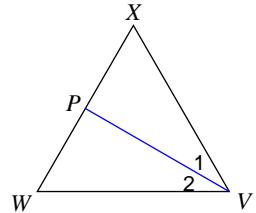
- A) 2 B) 5
C) 3 D) 4

- 22) Find x if $m\angle 2 = 2x + 16$ and $m\angle 1 = 3x + 7$.



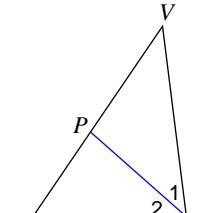
- A) 7 B) 8
C) 9 D) 3

- 23) $m\angle 2 = 9 + 3x$ and $m\angle XVW = 9x - 3$.
Find x .



- A) 4 B) 7
C) 5 D) 1

- 24) Find x if $m\angle 2 = 11x - 3$ and $m\angle 1 = 10x + 1$.



- A) 4 B) 8
C) 9 D) 6



Answers to Assignment (ID: 2)

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

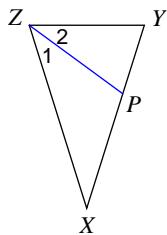


Assignment

Date_____ Period____

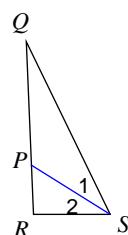
Each figure shows a triangle with one of its angle bisectors.

- 1) $m\angle 1 = 18x$ and $m\angle 2 = 17x + 2$.
Find x .



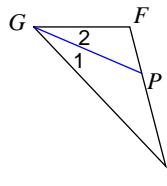
- A) 9 B) 2
C) 6 D) 1

- 2) $m\angle 2 = 3x + 8$ and $m\angle 1 = 4x$.
Find x .



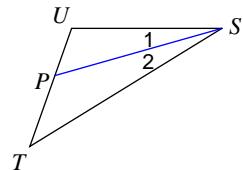
- A) 4 B) 9
C) 2 D) 8

- 3) Find x if $m\angle 1 = x + 15$ and
 $m\angle EGF = 5x + 6$.



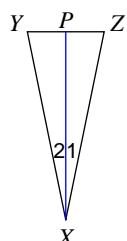
- A) 7 B) 8
C) 3 D) 10

- 4) $m\angle 1 = 16x$ and $m\angle 2 = -1 + 17x$.
Find x .



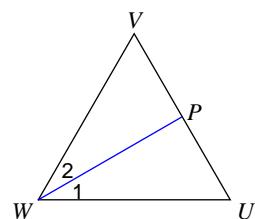
- A) 9 B) 7
C) 1 D) 8

- 5) $m\angle 1 = 3x + 2$ and $m\angle 2 = 4x - 1$.
Find x .



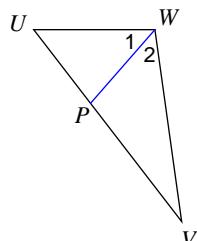
- A) 3 B) 8
C) 7 D) 4

- 6) $m\angle 2 = 3x + 9$ and $m\angle UWV = 7x + 11$.
Find x .



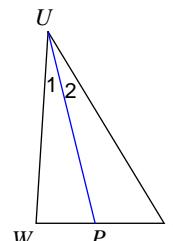
- A) 7 B) 8
C) 2 D) 5

- 7) $m\angle 1 = 6x + 7$ and $m\angle 2 = 8x - 7$.
Find x .



- A) 8 B) 2

- 8) Find x if $m\angle 2 = 2x + 3$ and
 $m\angle 1 = 3x - 4$.

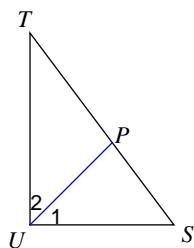


- A) 3 B) 10
C) 9 D) 7



9) $m\angle I = 14x + 3$ and $m\angle SUT = 30x$.

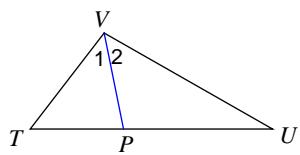
Find x .



- A) 10 B) 7
C) 6 D) 3

10) Find x if $m\angle 2 = 4x + 9$ and

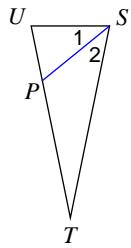
$m\angle I = 5x - 1$.



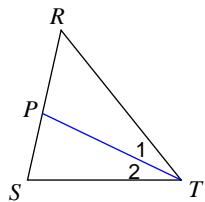
- A) 8 B) 10
C) 1 D) 4

11) Find x if $m\angle I = 5x - 6$ and
 $m\angle UST = 7x + 15$.

12) $m\angle 2 = 3x + 1$ and $m\angle I = 2x + 9$.
Find x .



- A) 7 B) 9
C) 8 D) 5



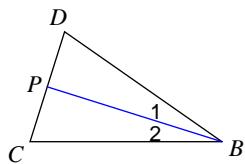
- A) 10 B) 8
C) 4 D) 6

13) $m\angle I = 3x - 4$ and $m\angle DBC = -1 + 5x$.

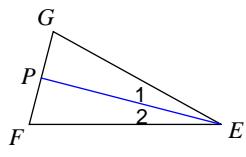
Find x .

14) $m\angle I = 2x - 4$ and $m\angle 2 = 5 + x$.

Find x .



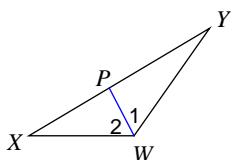
- A) 2 B) 1
C) 7 D) 10



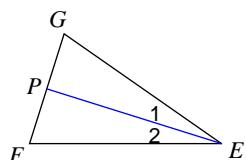
- A) 9 B) 4
C) 2 D) 3

15) Find x if $m\angle I = 11x - 4$ and
 $m\angle YWX = 21x - 2$.

16) Find x if $m\angle 2 = 3x - 7$ and
 $m\angle I = 2x + 1$.



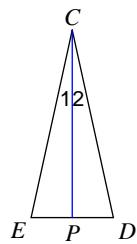
- A) 4 B) 9
C) 5 D) 6



- A) 5 B) 10
C) 8 D) 1

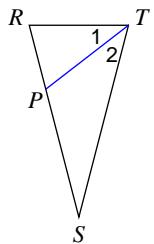


- 17) $m\angle 2 = 2x - 4$ and $m\angle 1 = x + 4$.
Find x .



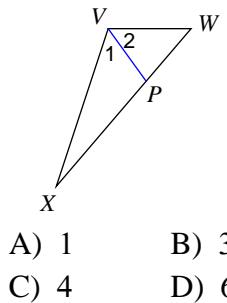
- A) 9 B) 8
C) 4 D) 7

- 18) Find x if $m\angle I = 18x + 2$ and
 $m\angle RTS = 38x$.



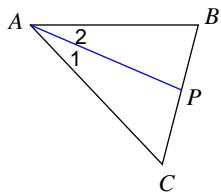
- A) 2 B) 6
C) 5 D) 3

- 19) Find x if $m\angle I = 13x + 2$ and
 $m\angle 2 = 14x - 2$.



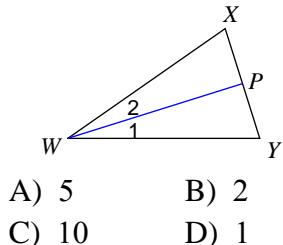
- A) 1 B) 3
C) 4 D) 6

- 20) $m\angle 2 = 7x + 2$ and $m\angle I = 8x - 1$.
Find x .



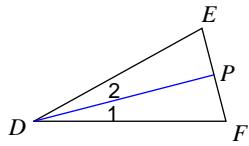
- A) 3 B) 10
C) 1 D) 4

- 21) $m\angle I = 2x + 7$ and $m\angle 2 = 4x - 3$.
Find x .



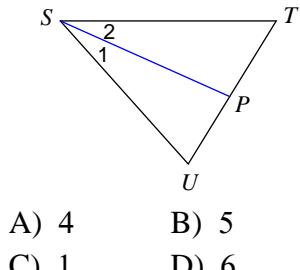
- A) 5 B) 2
C) 10 D) 1

- 22) Find x if $m\angle 2 = x + 8$ and
 $m\angle FDE = 5x - 2$.



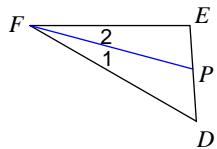
- A) 6 B) 9
C) 8 D) 1

- 23) Find x if $m\angle 2 = 5x + 4$ and
 $m\angle I = 6x$.



- A) 4 B) 5
C) 1 D) 6

- 24) Find x if $m\angle 2 = 2x - 3$ and
 $m\angle DFE = 2x + 12$.



- A) 5 B) 2
C) 9 D) 6



Answers to Assignment (ID: 3)

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

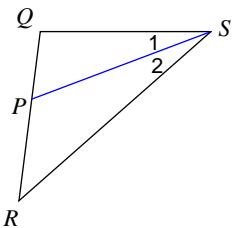


Assignment

Date_____ Period____

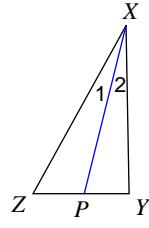
Each figure shows a triangle with one of its angle bisectors.

- 1) Find x if $m\angle 1 = 10x$ and $m\angle QSR = 19x + 2$.



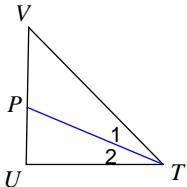
- A) 2 B) 9
C) 4 D) 5

- 2) $m\angle 2 = 2x - 5$ and $m\angle ZXY = 3x$.
Find x .



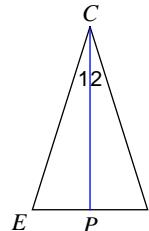
- A) 6 B) 10
C) 7 D) 4

- 3) Find x if $m\angle 1 = x + 13$ and $m\angle VTU = 3x + 16$.



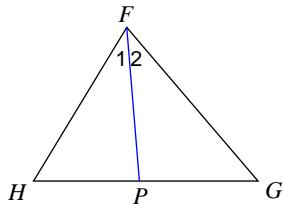
- A) 10 B) 3
C) 5 D) 2

- 4) $m\angle 1 = 16x + 1$ and $m\angle ECD = 33x + 1$.
Find x .



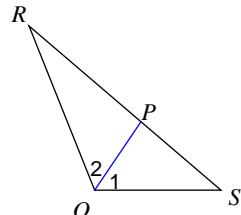
- A) 2 B) 1
C) 4 D) 10

- 5) Find x if $m\angle 2 = 12x$ and $m\angle 1 = 13x - 3$.



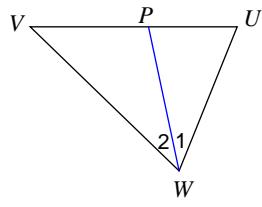
- A) 8 B) 6
C) 7 D) 3

- 6) Find x if $m\angle 1 = 12x - 4$ and $m\angle 2 = 11x + 1$.



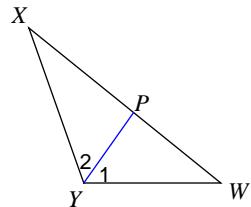
- A) 5 B) 7
C) 9 D) 1

- 7) Find x if $m\angle 2 = 3x + 7$ and $m\angle 1 = 4x - 2$.



- A) 6 B) 7

- 8) $m\angle 2 = 9x + 9$ and $m\angle 1 = 11x - 1$.
Find x .

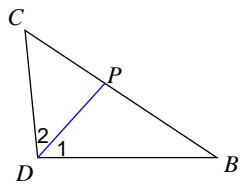


- A) 6 B) 5
C) 8 D) 3



9) $m\angle 2 = 12x$ and $m\angle I = 13x - 4$.

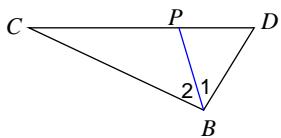
Find x .



- A) 1 B) 8
C) 4 D) 2

10) $m\angle I = 6x - 6$ and $m\angle DBC = 11x - 3$.

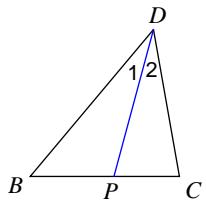
Find x .



- A) 3 B) 5
C) 2 D) 9

11) $m\angle 2 = 6x - 5$ and $m\angle I = 5x$.

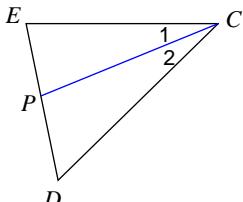
Find x .



- A) 2 B) 5
C) 8 D) 4

12) $m\angle I = 4x - 2$ and $m\angle 2 = 2x + 10$.

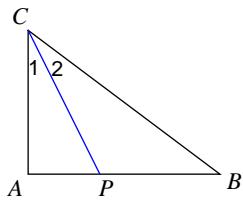
Find x .



- A) 6 B) 4
C) 5 D) 1

13) $m\angle 2 = 2x + 12$ and $m\angle ACB = 6x + 10$.

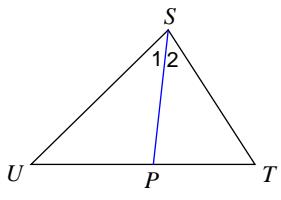
Find x .



- A) 6 B) 4
C) 5 D) 7

14) Find x if $m\angle I = 12x + 3$ and

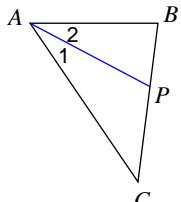
$m\angle 2 = 13x$.



- A) 3 B) 1
C) 9 D) 4

15) $m\angle I = 6x + 4$ and $m\angle 2 = 8x - 4$.

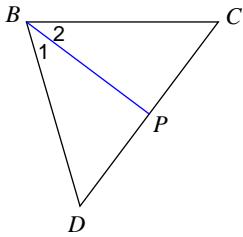
Find x .



- A) 3 B) 2
C) 9 D) 4

16) $m\angle I = 4x + 1$ and $m\angle DBC = 9x - 7$.

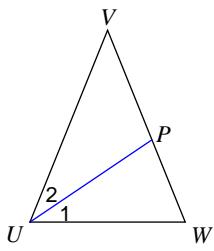
Find x .



- A) 9 B) 2
C) 7 D) 8

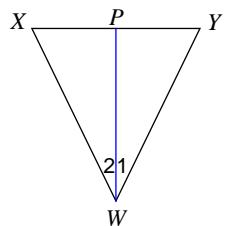


- 17) Find x if $m\angle 2 = 12x - 2$ and $m\angle WUV = 22x + 2$.



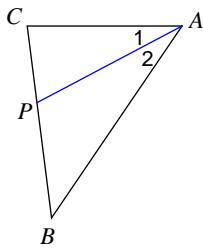
- A) 6 B) 8
C) 3 D) 9

- 18) $m\angle I = x + 16$ and $m\angle YWX = 5x + 2$.
Find x .



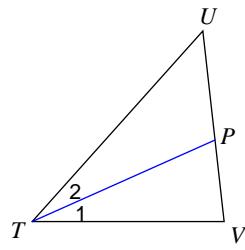
- A) 1 B) 10
C) 9 D) 5

- 19) Find x if $m\angle I = 5x - 2$ and $m\angle 2 = 3x + 10$.



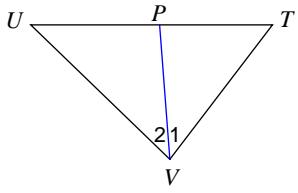
- A) 6 B) 4
C) 8 D) 10

- 20) Find x if $m\angle I = 4x + 4$ and $m\angle 2 = 5x - 1$.



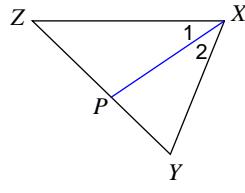
- A) 5 B) 9
C) 1 D) 7

- 21) Find x if $m\angle I = 5x - 4$ and $m\angle 2 = 3x + 14$.



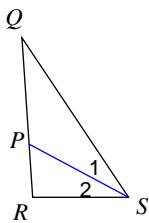
- A) 9 B) 8
C) 7 D) 10

- 22) Find x if $m\angle 2 = 18x - 2$ and $m\angle I = 16x + 2$.



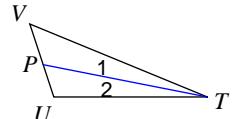
- A) 3 B) 7
C) 5 D) 2

- 23) $m\angle I = 28x$ and $m\angle QSR = 55x + 1$.
Find x .



- A) 1 B) 8
C) 10 D) 9

- 24) $m\angle I = x + 2$ and $m\angle VTU = x + 13$.
Find x .



- A) 1 B) 8
C) 2 D) 9



Answers to Assignment (ID: 4)

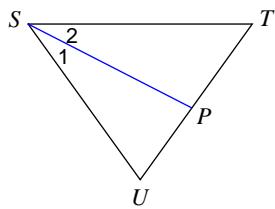
- | | | | |
|-------|-------|-------|-------|
| 1) A | 2) B | 3) A | 4) B |
| 5) D | 6) A | 7) D | 8) B |
| 9) C | 10) D | 11) B | 12) A |
| 13) D | 14) A | 15) D | 16) A |
| 17) C | 18) B | 19) A | 20) A |
| 21) A | 22) D | 23) A | 24) D |



Assignment

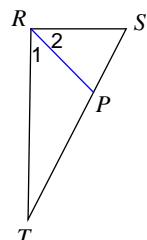
Each figure shows a triangle with one of its angle bisectors.

- 1) $m\angle 2 = 5x + 7$ and $m\angle UST = 12x + 6$.
Find x .



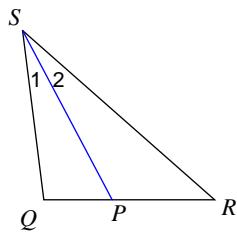
- A) 7 B) 1
C) 4 D) 10

- 2) Find x if $m\angle 2 = 8x - 3$ and
 $m\angle TRS = 14x + 6$.



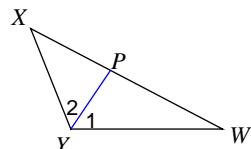
- A) 2 B) 6
C) 8 D) 5

- 3) $m\angle I = 2x + 4$ and $m\angle 2 = x + 12$.
Find x .



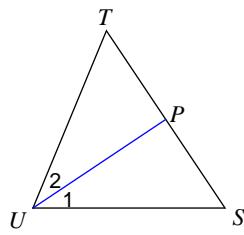
- A) 8 B) 9
C) 4 D) 5

- 4) $m\angle 2 = 55x + 1$ and $m\angle I = 57x - 1$.
Find x .



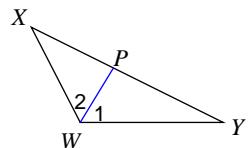
- A) 3 B) 1
C) 4 D) 6

- 5) $m\angle 2 = 5 + 4x$ and $m\angle I = 3x + 12$.
Find x .



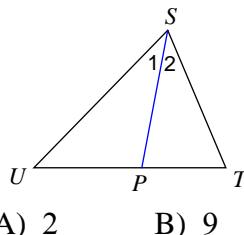
- A) 5 B) 7
C) 9 D) 4

- 6) $m\angle 2 = 9 + 7x$ and $m\angle I = 9x - 5$.
Find x .



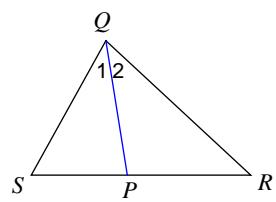
- A) 6 B) 9
C) 7 D) 1

- 7) Find x if $m\angle 2 = 15x + 3$ and
 $m\angle UST = 34x - 2$.



- A) 2 B) 9

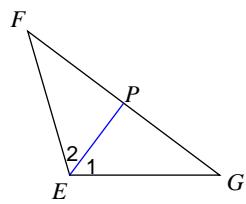
- 8) Find x if $m\angle I = 4x + 6$ and
 $m\angle 2 = 5x - 2$.



- A) 10 B) 8
C) 4 D) 9

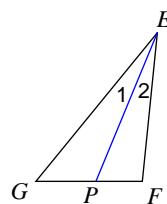


- 9) Find x if $m\angle 2 = 9x + 8$ and $m\angle GEF = 21x + 1$.



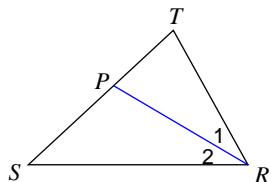
- A) 8 B) 6
C) 5 D) 4

- 10) Find x if $m\angle I = x + 10$ and $m\angle GEF = 3x + 13$.



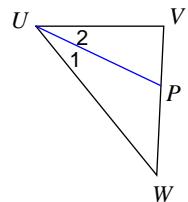
- A) 9 B) 4
C) 7 D) 1

- 11) $m\angle I = 3x + 3$ and $m\angle TRS = 7x - 3$.
Find x .



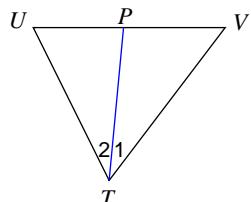
- A) 2 B) 1
C) 9 D) 8

- 12) $m\angle 2 = 8x + 1$ and $m\angle I = 7x + 4$.
Find x .



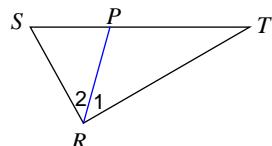
- A) 3 B) 8
C) 6 D) 4

- 13) Find x if $m\angle 2 = 5x - 3$ and $m\angle I = 3x + 11$.



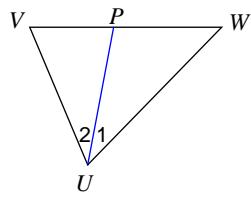
- A) 1 B) 10
C) 9 D) 7

- 14) $m\angle I = 11x$ and $m\angle 2 = 12x - 4$.
Find x .



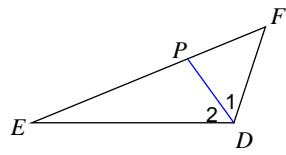
- A) 3 B) 4
C) 5 D) 2

- 15) Find x if $m\angle I = 3x + 12$ and $m\angle WUV = 9x + 3$.



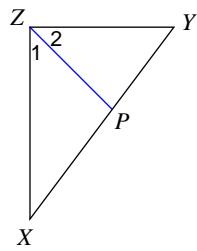
- A) 9 B) 7
C) 2 D) 8

- 16) $m\angle I = 8x + 6$ and $m\angle FDE = 18x$.
Find x .



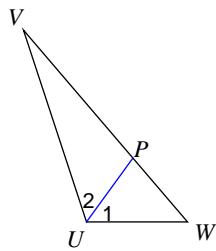
- A) 7 B) 8
C) 4 D) 6

- 17) Find x if $m\angle I = 12x - 3$ and
 $m\angle 2 = 10x + 5$.



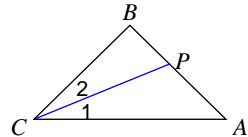
- A) 6 B) 5
 C) 4 D) 1

- 18) $m\angle 2 = 9x$ and $m\angle I = 10x - 6$.
 Find x .



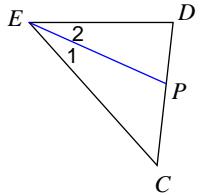
- A) 3 B) 7
 C) 9 D) 6

- 19) $m\angle 2 = x + 13$ and $m\angle ACB = 4x + 8$.
 Find x .



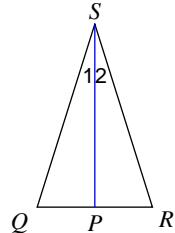
- A) 2 B) 5
 C) 9 D) 7

- 20) Find x if $m\angle 2 = 7x + 3$ and
 $m\angle I = 9x - 3$.



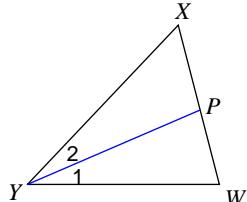
- A) 3 B) 2
 C) 8 D) 6

- 21) $m\angle I = 5x + 2$ and $m\angle QSR = 11x + 1$.
 Find x .



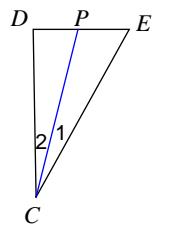
- A) 3 B) 1
 C) 4 D) 7

- 22) Find x if $m\angle I = x + 14$ and
 $m\angle 2 = 2x + 5$.



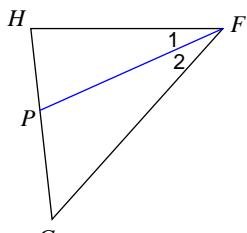
- A) 4 B) 9
 C) 7 D) 5

- 23) $m\angle I = x + 8$ and $m\angle ECD = -5 + 5x$.
 Find x .



- A) 8 B) 7
 C) 1 D) 6

- 24) Find x if $m\angle I = 7x + 3$ and
 $m\angle HFG = 15x + 3$.



- A) 2 B) 3
 C) 9 D) 8



Answers to Assignment (ID: 5)

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

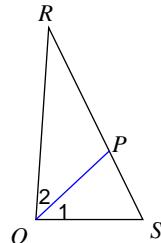


Assignment

Date_____ Period____

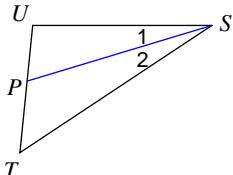
Each figure shows a triangle with one of its angle bisectors.

- 1) $m\angle I = 5x - 7$ and $m\angle SQR = 7x + 16$.
Find x .



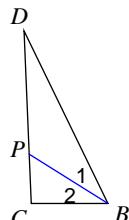
- A) 9 B) 10
C) 4 D) 3

- 2) $m\angle I = 3x - 1$ and $m\angle 2 = x + 11$.
Find x .



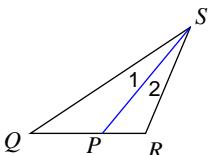
- A) 6 B) 5
C) 2 D) 10

- 3) Find x if $m\angle 1 = -8 + 4x$ and
 $m\angle 2 = 3x + 2$.



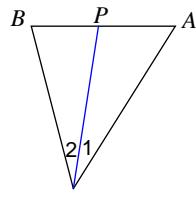
- A) 1 B) 10
C) 3 D) 2

- 4) Find x if $m\angle I = 7x + 3$ and
 $m\angle 2 = 8x + 1$.



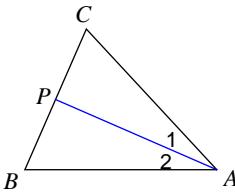
- A) 10 B) 8
C) 2 D) 5

- 5) Find x if $m\angle 1 = 23x$ and
 $m\angle 2 = 24x - 1$.



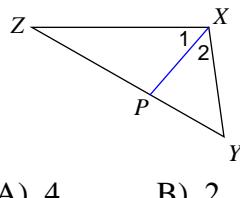
- A) 10 B) 5
C) 4 D) 1

- 6) $m\angle I = 2x + 11$ and $m\angle 2 = 4x - 1$.
Find x .



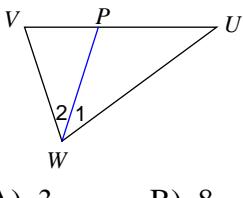
- A) 4 B) 3
C) 2 D) 6

- 7) Find x if $m\angle 1 = 49x$ and
 $m\angle 2 = 50x - 1$.



- A) 4 B) 2

- 8) Find x if $m\angle 2 = 4x$ and
 $m\angle 1 = 3x + 9$.

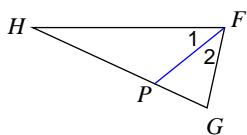


- A) 3 B) 8
C) 5 D) 9



9) $m\angle 2 = 13x$ and $m\angle I = 14x - 3$.

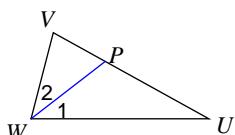
Find x .



- A) 2 B) 10
C) 3 D) 9

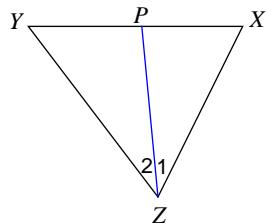
10) $m\angle 2 = -7 + 5x$ and $m\angle I = 4x + 2$.

Find x .



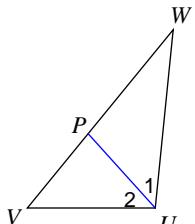
- A) 3 B) 7
C) 9 D) 6

11) Find x if $m\angle I = 3x + 11$ and $m\angle XZY = 8x + 8$.



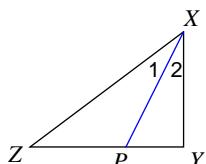
- A) 7 B) 5
C) 2 D) 8

12) Find x if $m\angle 2 = 11x + 4$ and $m\angle I = 13x - 4$.



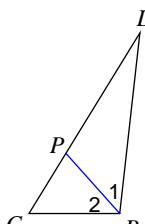
- A) 5 B) 2
C) 4 D) 7

13) Find x if $m\angle I = 2x + 6$ and $m\angle 2 = 3x - 4$.



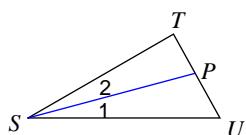
- A) 3 B) 5
C) 10 D) 9

14) Find x if $m\angle I = 10x - 2$ and $m\angle DBC = 18x + 6$.



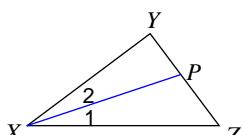
- A) 5 B) 3
C) 2 D) 10

15) Find x if $m\angle 2 = 3x$ and $m\angle I = 2x + 5$.



- A) 8 B) 3
C) 4 D) 5

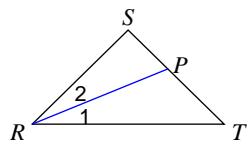
16) $m\angle I = x + 9$ and $m\angle 2 = 2x$.
Find x .



- A) 1 B) 9
C) 7 D) 8

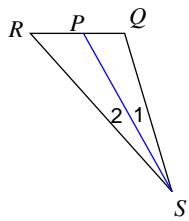


- 17) $m\angle I = 8x - 2$ and $m\angle TRS = 15x - 1$.
Find x .



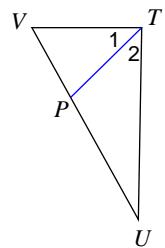
- A) 3 B) 10
C) 9 D) 5

- 18) $m\angle I = x + 5$ and $m\angle QSR = 3x + 3$.
Find x .



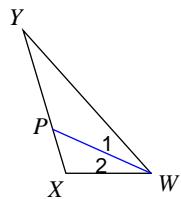
- A) 2 B) 8
C) 7 D) 6

- 19) $m\angle I = 15x - 1$ and $m\angle 2 = 14x + 2$.
Find x .



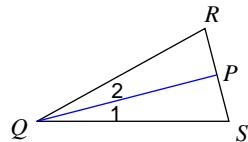
- A) 9 B) 6
C) 4 D) 3

- 20) $m\angle I = 5x - 1$ and $m\angle YWX = 8x + 8$.
Find x .



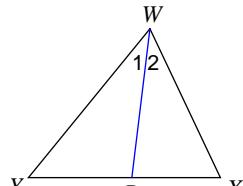
- A) 5 B) 9
C) 3 D) 7

- 21) $m\angle I = 2x - 2$ and $m\angle SQR = 2x + 12$.
Find x .



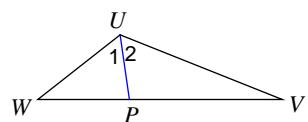
- A) 5 B) 2
C) 9 D) 8

- 22) $m\angle 2 = 5x + 2$ and $m\angle I = 4x + 8$.
Find x .



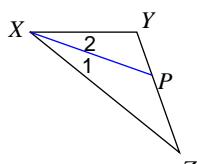
- A) 5 B) 10
C) 6 D) 7

- 23) Find x if $m\angle I = 9x + 6$ and
 $m\angle WUV = 20x$.



- A) 8 B) 1
C) 6 D) 7

- 24) Find x if $m\angle I = 9x + 1$ and
 $m\angle 2 = 10x - 1$.



- A) 8 B) 5
C) 2 D) 3



Answers to Assignment (ID: 6)

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

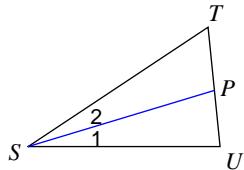


Assignment

Date_____ Period____

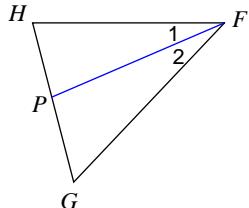
Each figure shows a triangle with one of its angle bisectors.

- 1) Find x if $m\angle 2 = x + 11$ and
 $m\angle UST = 5x + 4$.



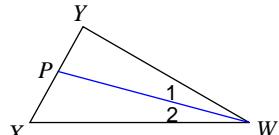
- A) 4 B) 2
C) 6 D) 8

- 2) Find x if $m\angle 2 = 8x - 1$ and
 $m\angle I = 7x + 2$.



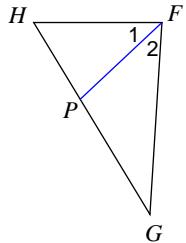
- A) 2 B) 3
C) 10 D) 8

- 3) $m\angle I = 4x - 1$ and $m\angle 2 = 2x + 7$.
Find x .



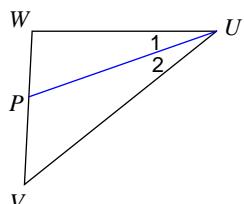
- A) 4 B) 6
C) 5 D) 7

- 4) Find x if $m\angle I = 8x + 3$ and
 $m\angle 2 = 9x - 2$.



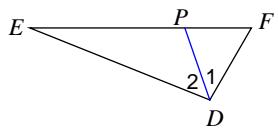
- A) 4 B) 8
C) 3 D) 5

- 5) $m\angle 2 = 5x - 1$ and $m\angle I = 4x + 3$.
Find x .



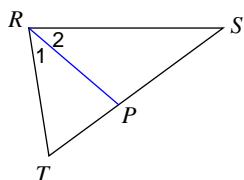
- A) 6 B) 3
C) 4 D) 2

- 6) Find x if $m\angle I = 13 + 4x$ and
 $m\angle FDE = 10x + 8$.



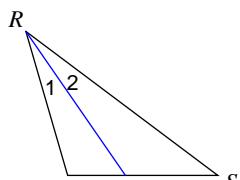
- A) 6 B) 7
C) 10 D) 9

- 7) $m\angle 2 = 4x + 12$ and $m\angle I = 6x - 2$.
Find x .



- A) 3 B) 7
C) 8 D) 6

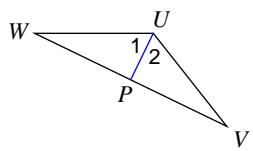
- 8) Find x if $m\angle I = 2x$ and
 $m\angle 2 = x + 9$.



- A) 7 B) 3
C) 4 D) 9

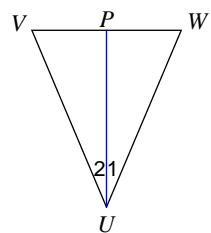


- 9) Find x if $m\angle 2 = 33x - 2$ and $m\angle 1 = 32x$.



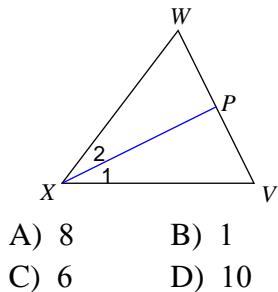
- A) 10 B) 5
C) 9 D) 2

- 10) $m\angle 2 = 2x + 5$ and $m\angle 1 = x + 14$.
Find x .



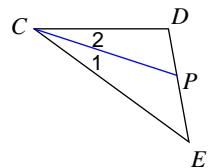
- A) 7 B) 8
C) 9 D) 6

- 11) Find x if $m\angle 2 = 2x + 10$ and $m\angle 1 = 3x + 2$.



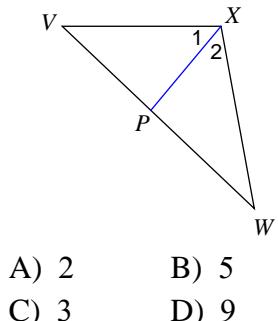
- A) 8 B) 1
C) 6 D) 10

- 12) Find x if $m\angle 1 = 2 + 2x$ and $m\angle 2 = 3x - 6$.



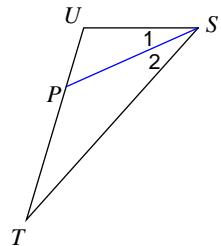
- A) 2 B) 8
C) 6 D) 9

- 13) $m\angle 2 = 26x - 2$ and $m\angle VXW = 49x + 2$.
Find x .



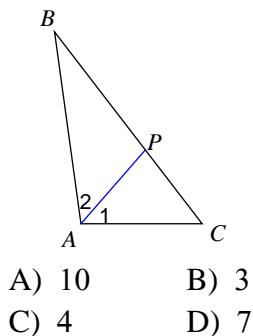
- A) 2 B) 5
C) 3 D) 9

- 14) $m\angle I = 3x$ and $m\angle UST = 7x - 8$.
Find x .



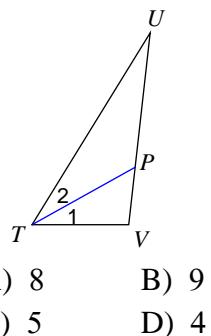
- A) 6 B) 3
C) 8 D) 4

- 15) Find x if $m\angle 2 = 11x + 5$ and $m\angle 1 = 12x + 1$.



- A) 10 B) 3
C) 4 D) 7

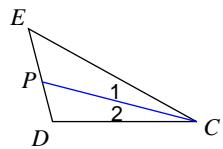
- 16) $m\angle 2 = 8x - 3$ and $m\angle 1 = 6x + 5$.
Find x .



- A) 8 B) 9
C) 5 D) 4

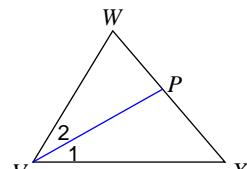


- 17) Find x if $m\angle 2 = x + 5$ and $m\angle ECD = 4x - 8$.



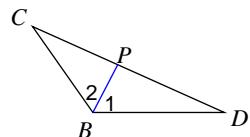
- A) 9 B) 3
C) 7 D) 10

- 18) Find x if $m\angle I = 9x + 2$ and $m\angle XVW = 19x + 1$.



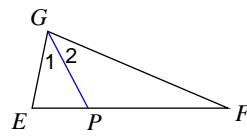
- A) 5 B) 3
C) 1 D) 6

- 19) Find x if $m\angle 2 = 7x - 8$ and $m\angle 1 = 6x + 2$.



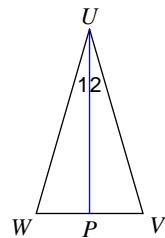
- A) 2 B) 10
C) 4 D) 9

- 20) Find x if $m\angle 2 = 5x + 4$ and $m\angle EGF = 11x + 1$.



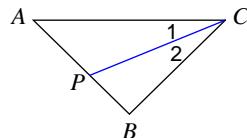
- A) 7 B) 5
C) 1 D) 2

- 21) Find x if $m\angle I = 4x - 4$ and $m\angle 2 = 3x + 1$.



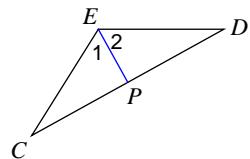
- A) 5 B) 3
C) 9 D) 7

- 22) $m\angle I = x + 14$ and $m\angle 2 = -2 + 3x$.
Find x .



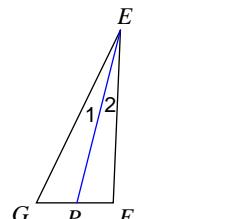
- A) 3 B) 4
C) 7 D) 8

- 23) Find x if $m\angle I = 8x - 3$ and $m\angle CED = 2 + 15x$.



- A) 9 B) 2
C) 7 D) 8

- 24) Find x if $m\angle 2 = 5x - 3$ and $m\angle I = 3x + 3$.



- A) 3 B) 8
C) 10 D) 1

Answers to Assignment (ID: 7)

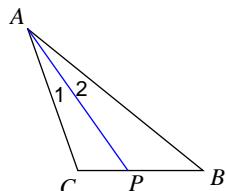
- | | | | |
|-------|-------|-------|-------|
| 1) C | 2) B | 3) A | 4) D |
| 5) C | 6) D | 7) B | 8) D |
| 9) D | 10) C | 11) A | 12) B |
| 13) A | 14) C | 15) C | 16) D |
| 17) A | 18) B | 19) B | 20) A |
| 21) A | 22) D | 23) D | 24) A |



Assignment

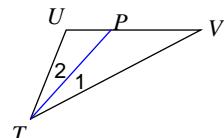
Each figure shows a triangle with one of its angle bisectors.

- 1) Find x if $m\angle 1 = -8 + 3x$ and $m\angle CAB = 4x$.



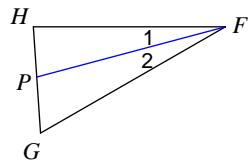
- A) 1 B) 6
C) 9 D) 8

- 2) Find x if $m\angle 2 = 2x + 8$ and $m\angle I = 4x - 4$.



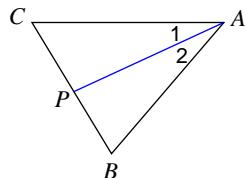
- A) 10 B) 4
C) 6 D) 1

- 3) $m\angle 2 = 4x - 1$ and $m\angle 1 = 3x + 3$.
Find x .



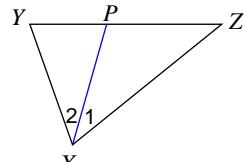
- A) 10 B) 7
C) 4 D) 5

- 4) $m\angle 1 = 6x$ and $m\angle CAB = 11x + 4$.
Find x .



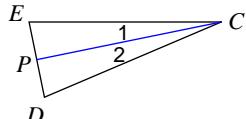
- A) 4 B) 9
C) 8 D) 2

- 5) Find x if $m\angle 2 = 4x - 1$ and $m\angle 1 = 2x + 17$.



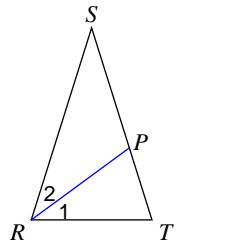
- A) 8 B) 3
C) 1 D) 9

- 6) $m\angle 1 = x + 6$ and $m\angle 2 = 2x + 1$.
Find x .



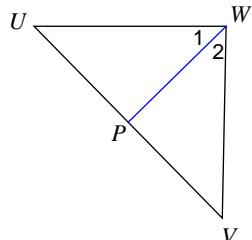
- A) 8 B) 4
C) 1 D) 5

- 7) Find x if $m\angle 1 = 8x - 4$ and $m\angle 2 = 7x + 1$.



- A) 5 B) 10
C) 3 D) 6

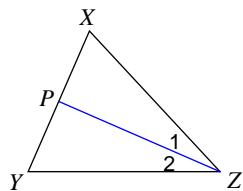
- 8) $m\angle 2 = 43x + 1$ and $m\angle 1 = 44x$.
Find x .



- A) 1 B) 10
C) 4 D) 5

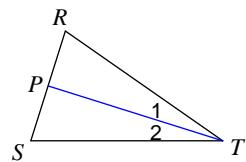


- 9) Find x if $m\angle 2 = 10x + 3$ and $m\angle XZY = 24x - 2$.



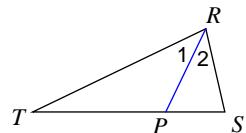
- A) 5 B) 8
C) 2 D) 10

- 10) Find x if $m\angle 1 = 6x - 1$ and $m\angle 2 = 5x + 2$.



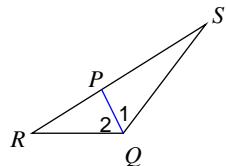
- A) 3 B) 2
C) 4 D) 5

- 11) $m\angle 1 = -2 + 8x$ and $m\angle TRS = 15x + 1$.
Find x .



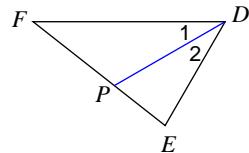
- A) 3 B) 7
C) 5 D) 6

- 12) $m\angle 1 = 1 + 62x$ and $m\angle 2 = 64x - 1$.
Find x .



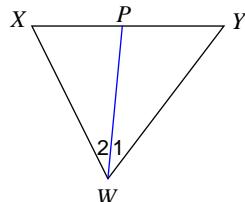
- A) 1 B) 6
C) 2 D) 8

- 13) $m\angle 1 = 4x - 10$ and $m\angle 2 = 10 + 2x$.
Find x .



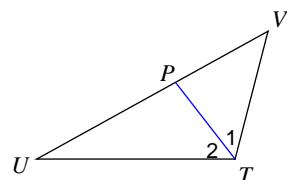
- A) 5 B) 3
C) 6 D) 10

- 14) Find x if $m\angle 1 = 4x - 8$ and $m\angle 2 = 2x + 12$.



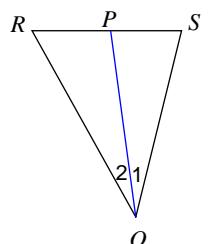
- A) 10 B) 3
C) 5 D) 8

- 15) Find x if $m\angle 2 = 7x + 3$ and $m\angle VTU = 15x - 1$.



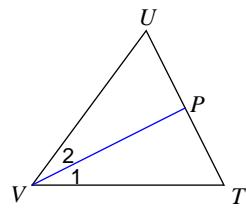
- A) 10 B) 2
C) 7 D) 1

- 16) Find x if $m\angle 2 = x + 11$ and $m\angle SQR = 4x + 2$.



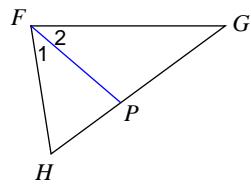
- A) 1 B) 2
C) 10 D) 8

- 17) Find x if $m\angle 2 = 13x$ and $m\angle TVU = 25x + 2$.



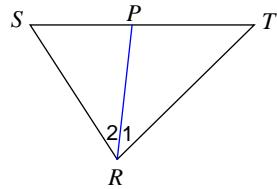
- A) 3 B) 2
C) 8 D) 7

- 18) Find x if $m\angle I = 6x - 8$ and $m\angle 2 = 4x + 8$.



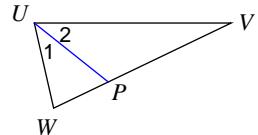
- A) 1 B) 2
C) 8 D) 4

- 19) Find x if $m\angle I = 20x - 1$ and $m\angle TRS = 38x + 2$.



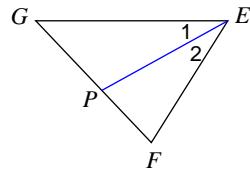
- A) 7 B) 4
C) 2 D) 9

- 20) $m\angle I = 6x + 2$ and $m\angle 2 = 7x - 4$.
Find x .



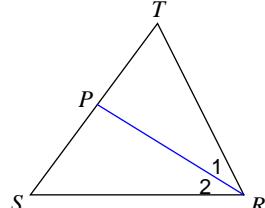
- A) 8 B) 10
C) 1 D) 6

- 21) $m\angle I = 5x - 1$ and $m\angle GEF = 9x + 4$.
Find x .



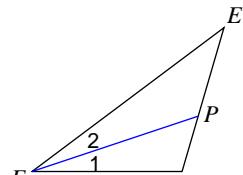
- A) 6 B) 8
C) 3 D) 4

- 22) $m\angle 2 = 5x - 4$ and $m\angle I = 4x + 3$.
Find x .



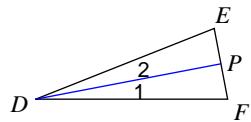
- A) 2 B) 10
C) 8 D) 7

- 23) $m\angle 2 = 17x + 1$ and $m\angle DFE = 37x - 1$.
Find x .



- A) 5 B) 3
C) 1 D) 6

- 24) $m\angle I = x + 3$ and $m\angle 2 = 2x - 5$.
Find x .



- A) 8 B) 2
C) 9 D) 10



Answers to Assignment (ID: 8)

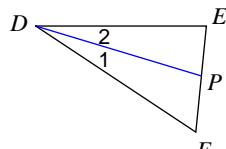
- | | | | |
|-------|-------|-------|-------|
| 1) D | 2) C | 3) C | 4) A |
| 5) D | 6) D | 7) A | 8) A |
| 9) C | 10) A | 11) C | 12) A |
| 13) D | 14) A | 15) C | 16) C |
| 17) B | 18) C | 19) C | 20) D |
| 21) A | 22) D | 23) C | 24) A |



Assignment

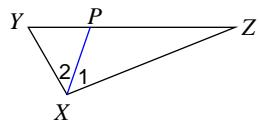
Each figure shows a triangle with one of its angle bisectors.

- 1) Find x if $m\angle 1 = x + 11$ and
 $m\angle 2 = 3x - 1$.



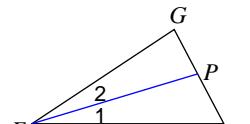
- A) 10 B) 6
C) 5 D) 9

- 2) $m\angle 1 = 8x + 9$ and $m\angle ZXY = 18x + 8$.
Find x .



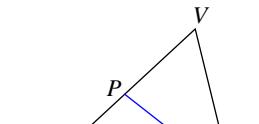
- A) 3 B) 4
C) 5 D) 6

- 3) $m\angle 1 = x + 7$ and $m\angle HFG = 4 + 3x$.
Find x .



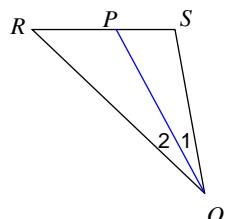
- A) 2 B) 10
C) 5 D) 6

- 4) Find x if $m\angle 2 = 8x + 6$ and
 $m\angle VTU = 20x - 4$.



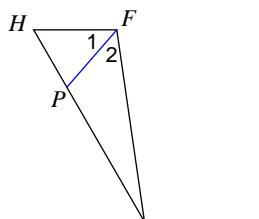
- A) 1 B) 4
C) 5 D) 8

- 5) $m\angle 2 = 3x - 9$ and $m\angle 1 = x + 9$.
Find x .



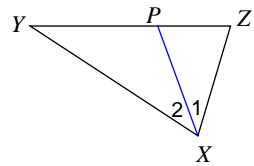
- A) 5 B) 9
C) 8 D) 10

- 6) Find x if $m\angle 1 = 25x - 1$ and
 $m\angle HFG = 2 + 48x$.



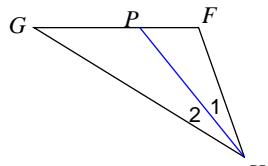
- A) 2 B) 8
C) 6 D) 4

- 7) $m\angle 1 = 10x - 4$ and $m\angle ZXY = 18x$.
Find x .



- A) 3 B) 8
C) 9 D) 4

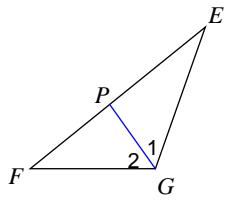
- 8) Find x if $m\angle 1 = x + 11$ and
 $m\angle FHG = 4x + 6$.



- A) 8 B) 7
C) 9 D) 2

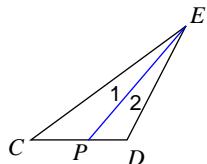


- 9) Find x if $m\angle 2 = 5x + 4$ and $m\angle EGF = 9x + 18$.



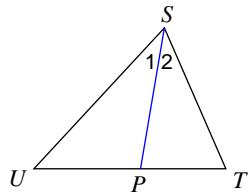
- A) 2 B) 1
C) 3 D) 10

- 10) Find x if $m\angle 1 = 2x - 7$ and $m\angle CED = 16 + x$.



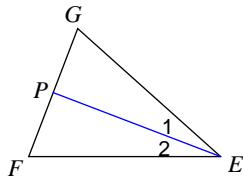
- A) 5 B) 10
C) 1 D) 3

- 11) $m\angle 2 = 33x$ and $m\angle 1 = 32x + 1$.
Find x .



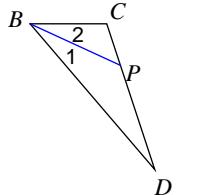
- A) 6 B) 5
C) 7 D) 1

- 12) Find x if $m\angle 2 = 3x + 6$ and $m\angle 1 = 5x - 4$.



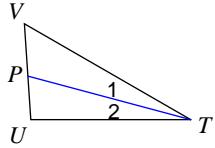
- A) 9 B) 6
C) 3 D) 5

- 13) Find x if $m\angle 2 = 4x + 4$ and $m\angle DBC = 10x - 2$.



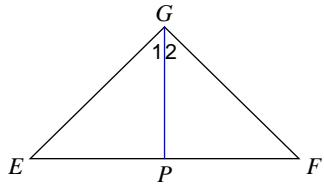
- A) 3 B) 5
C) 6 D) 8

- 14) $m\angle 1 = 6x + 3$ and $m\angle 2 = 8x - 1$.
Find x .



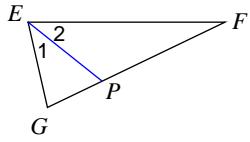
- A) 10 B) 8
C) 2 D) 6

- 15) $m\angle 1 = 5x + 10$ and $m\angle EGF = 12x + 6$.
Find x .



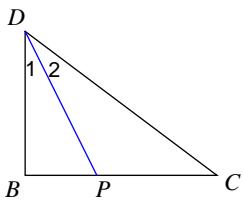
- A) 8 B) 10
C) 7 D) 5

- 16) Find x if $m\angle 2 = 5x - 7$ and $m\angle GEF = 8x + 4$.



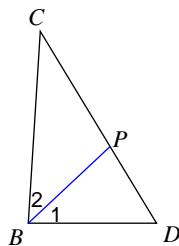
- A) 8 B) 9
C) 4 D) 1

- 17) Find x if $m\angle I = 26x$ and
 $m\angle 2 = 27x - 1$.



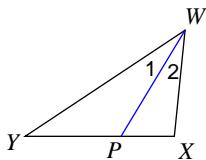
- A) 1 B) 8
 C) 5 D) 2

- 18) Find x if $m\angle I = 5x + 3$ and
 $m\angle DBC = 9x + 14$.



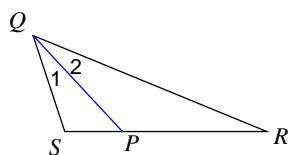
- A) 6 B) 8
 C) 2 D) 9

- 19) Find x if $m\angle I = 4x + 5$ and
 $m\angle YWX = 9x + 5$.



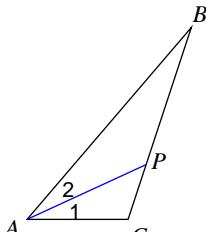
- A) 2 B) 5
 C) 7 D) 10

- 20) Find x if $m\angle 2 = 2x + 8$ and
 $m\angle I = 4x - 8$.



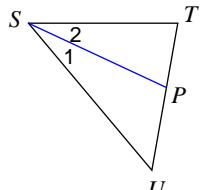
- A) 1 B) 7
 C) 8 D) 2

- 21) Find x if $m\angle I = 3x + 3$ and
 $m\angle 2 = 2x + 10$.



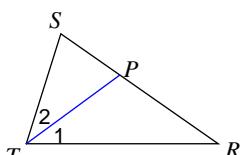
- A) 2 B) 8
 C) 7 D) 5

- 22) $m\angle 2 = 11 + 2x$ and $m\angle I = 4x - 3$.
 Find x .



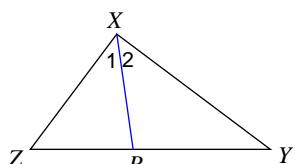
- A) 7 B) 10
 C) 2 D) 6

- 23) $m\angle 2 = 10x - 4$ and $m\angle I = 9x$.
 Find x .



- A) 8 B) 6
 C) 4 D) 9

- 24) $m\angle 2 = 13 + 4x$ and $m\angle ZXY = 10x + 10$.
 Find x .



- A) 2 B) 4
 C) 8 D) 9



Answers to Assignment (ID: 9)

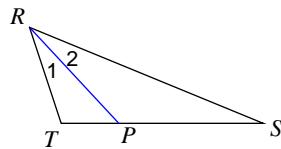
- | | | | |
|-------|-------|-------|-------|
| 1) B | 2) C | 3) B | 4) B |
| 5) B | 6) A | 7) D | 8) A |
| 9) D | 10) B | 11) D | 12) D |
| 13) B | 14) C | 15) C | 16) B |
| 17) A | 18) B | 19) B | 20) C |
| 21) C | 22) A | 23) C | 24) C |



Assignment

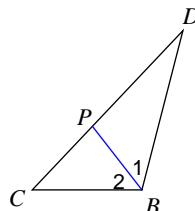
Each figure shows a triangle with one of its angle bisectors.

- 1) Find x if $m\angle 1 = 8x$ and
 $m\angle 2 = -3 + 9x$.



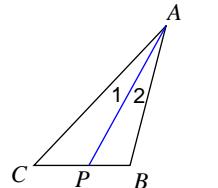
- A) 9 B) 7
 C) 3 D) 2

- 2) Find x if $m\angle 2 = 9x - 2$ and
 $m\angle 1 = 8x + 4$.



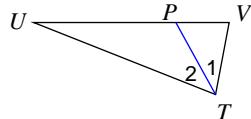
- A) 6 B) 8
 C) 1 D) 4

- 3) Find x if $m\angle 1 = 3x - 4$ and
 $m\angle CAB = 4x + 4$.



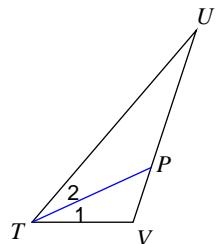
- A) 2 B) 6
 C) 1 D) 3

- 4) $m\angle 2 = 3 + 18x$ and $m\angle VTU = 39x$.
 Find x .



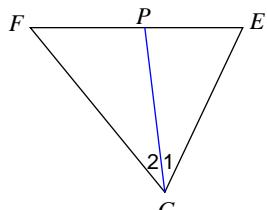
- A) 2 B) 10
 C) 9 D) 4

- 5) $m\angle 2 = 3x - 3$ and $m\angle VTU = 5x + 3$.
 Find x .



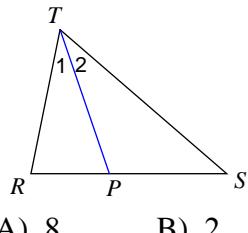
- A) 6 B) 2
 C) 9 D) 1

- 6) $m\angle 2 = 4x + 8$ and $m\angle 1 = 6x - 4$.
 Find x .



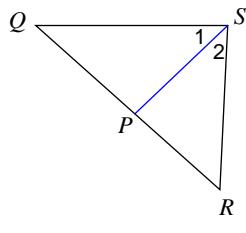
- A) 7 B) 6
 C) 8 D) 3

- 7) Find x if $m\angle 1 = 14x + 2$ and
 $m\angle 2 = 16x - 2$.



- A) 8 B) 2
 C) 1 D) 3

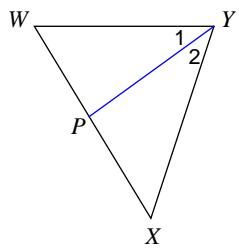
- 8) $m\angle 1 = 43x$ and $m\angle 2 = 44x - 1$.
 Find x .



- A) 3 B) 1
 C) 8 D) 5

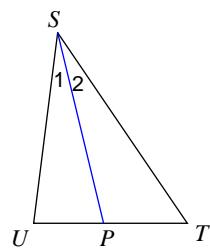


- 9) Find x if $m\angle 2 = 18x$ and $m\angle 1 = 17x + 2$.



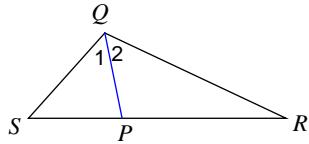
- A) 4 B) 1
C) 9 D) 2

- 10) Find x if $m\angle 2 = x + 10$ and $m\angle UST = -10 + 5x$.



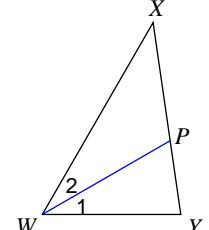
- A) 5 B) 3
C) 9 D) 10

- 11) Find x if $m\angle 1 = 4x + 13$ and $m\angle 2 = 6x - 7$.



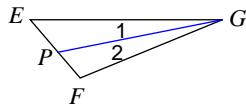
- A) 6 B) 9
C) 10 D) 2

- 12) Find x if $m\angle 1 = 2x + 14$ and $m\angle 2 = 4x - 2$.



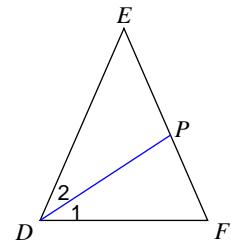
- A) 4 B) 10
C) 5 D) 8

- 13) Find x if $m\angle 1 = 3x - 4$ and $m\angle 2 = x + 6$.



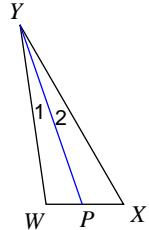
- A) 1 B) 7
C) 5 D) 4

- 14) $m\angle 2 = 16x + 1$ and $m\angle FDE = 33x$.
Find x .



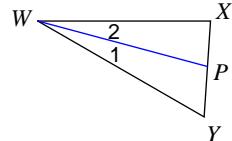
- A) 6 B) 1
C) 2 D) 8

- 15) Find x if $m\angle 1 = x + 1$ and $m\angle 2 = 2x - 9$.



- A) 5 B) 8
C) 10 D) 3

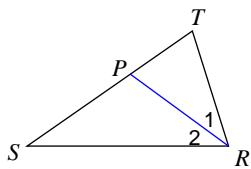
- 16) Find x if $m\angle 2 = 7 + 2x$ and $m\angle YWX = 6x + 6$.



- A) 4 B) 7
C) 5 D) 3

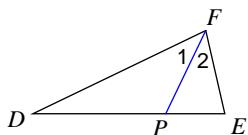


- 17) Find x if $m\angle 2 = 17x + 2$ and $m\angle TRS = 37x - 2$.



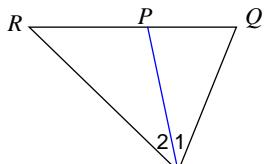
- A) 7 B) 2
C) 9 D) 4

- 18) $m\angle I = 6x + 2$ and $m\angle 2 = 5x + 8$.
Find x .



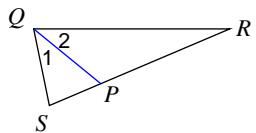
- A) 3 B) 1
C) 5 D) 6

- 19) $m\angle I = 7x - 1$ and $m\angle 2 = 5x + 9$.
Find x .



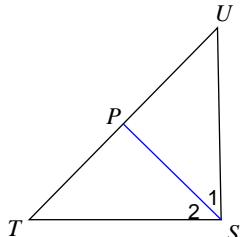
- A) 7 B) 5
C) 8 D) 2

- 20) Find x if $m\angle 2 = 6x - 3$ and $m\angle I = 4x + 11$.



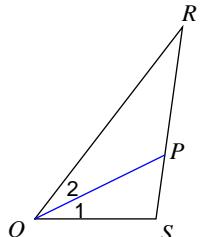
- A) 8 B) 5
C) 7 D) 4

- 21) $m\angle I = 9x - 1$ and $m\angle UST = 17x + 3$.
Find x .



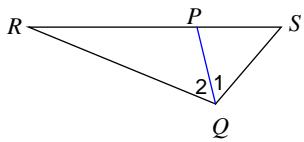
- A) 5 B) 7
C) 10 D) 3

- 22) Find x if $m\angle I = 14x - 2$ and $m\angle 2 = 12x + 2$.



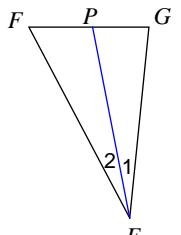
- A) 10 B) 2
C) 8 D) 3

- 23) Find x if $m\angle I = 8x + 6$ and $m\angle 2 = 9x$.



- A) 5 B) 4
C) 6 D) 10

- 24) Find x if $m\angle 2 = 3x - 1$ and $m\angle GEF = 5x + 4$.



- A) 7 B) 5
C) 6 D) 8



Answers to Assignment (ID: 10)

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

