Geometry Name_____

Assignment

Date_____ Period____

Write the slope-intercept form of the equation of each line given the slope and y-intercept.

1) Slope = 3, y-intercept = 4

A) $y = 3x + 4$ B) $y = -3x + 4$
C) $y = 4x + 3$ D) $y = 4x - 3$

2) Slope = –8, y-intercept = –4

A) $y = -8x - 4$
B) $y = 2x - 4$
C) $y = -3x - 4$
D) $y = -2x - 4$

3) Slope = $-\frac{2}{3}$, y-intercept = 0

A) $y = \frac{2}{3}x$ B) $y = -\frac{2}{3}x$
C) $x = 2$ D) $y = \frac{2}{3}$

4) Slope = 3, y-intercept = 2

A) $y = 3x + 2$ B) $y = 2x - 3$
C) $y = 4x - 3$ D) $y = -3x + 2$

5) Slope = $\frac{1}{4}$, y-intercept = –5

A) $y = 5x + \frac{1}{4}$ B) $y = x - 5$
C) $y = \frac{1}{4}x - 5$ D) $y = -5x + \frac{1}{4}$

6) Slope = –2, y-intercept = –4

A) $y = 4x - 2$ B) $y = -4x - 2$
C) $y = -x - 2$ D) $y = -2x - 4$

7) Slope = $\frac{1}{4}$, y-intercept = –2

A) $y = -\frac{1}{2}x - 2$
B) $y = \frac{1}{2}x - 2$
C) $y = x - 2$
D) $y = \frac{1}{4}x - 2$

8) Slope = 2, y-intercept = 0

A) $y = 2$ B) $y = -2x$
C) $y = 2x$ D) $y = -4x + 2$

9) Slope = $-\frac{4}{5}$, y-intercept = 3

A) $y = -\frac{4}{5}x + 3$
B) $y = \frac{4}{5}x + 3$
C) $y = 3x + \frac{4}{5}$
D) $y = -\frac{2}{5}x + 3$

10) Slope = $-\frac{4}{5}$, y-intercept = –3

A) $y = -x - 3$
B) $y = x - 3$
C) $y = -\frac{4}{5}x - 3$
D) $y = \frac{4}{5}x - 3$

11) Slope = $-\frac{5}{2}$, y-intercept = 5

A) $y = -\frac{5}{2}x - 5$

B) $y = -\frac{5}{2}x + 5$

C) $y = -5x - \frac{5}{2}$

D) $y = 5x - \frac{5}{2}$

12) Slope = –1, y-intercept = 5

A) $y = -4x + 5$ B) $y = 5x + 4$

C) $y = -x + 5$ D) $y = 4x + 5$

13) Slope = $\frac{1}{2}$, y-intercept = 2

A) $y = -\frac{1}{2}x + 2$

B) $y = 2x + \frac{1}{2}$

C) $y = -2x + \frac{1}{2}$

D) $y = \frac{1}{2}x + 2$

14) Slope = $-\frac{5}{2}$, y-intercept = –5

A) $y = -\frac{5}{2}x - 5$

B) $y = -5x - \frac{5}{2}$

C) $y = -\frac{5}{2}x + 5$

D) $y = 5x - \frac{5}{2}$

15) Slope = $-\frac{2}{3}$, y-intercept = 1

A) $y = x + \frac{2}{3}$

B) $y = \frac{2}{3}x + 1$

C) $y = -\frac{2}{3}x + 1$

D) $y = -x + \frac{2}{3}$

16) Slope = 1, y-intercept = 0

A) $y = x$ B) $y = -x$

C) $y = 5x$ D) $y = -5x$

17) Slope = $-\frac{5}{3}$, y-intercept = –1

A) $y = -x - \frac{2}{3}$

B) $y = -\frac{2}{3}x - 1$

C) $y = x - \frac{2}{3}$

D) $y = -\frac{5}{3}x - 1$

18) Slope = $\frac{8}{3}$, y-intercept = –3

A) $y = \frac{8}{3}x - 3$

B) $y = -3x + \frac{8}{3}$

C) $y = -3x - \frac{8}{3}$

D) $y = -\frac{8}{3}x - 3$

19) Slope = $-\frac{5}{2}$, y-intercept = 2

A) $y = \frac{5}{2}x + 2$

B) $y = -\frac{5}{2}x + 2$

C) $y = \frac{5}{2}x + \frac{5}{2}$

D) $y = 2x + \frac{5}{2}$

20) Slope = 7, y-intercept = 4

A) $y = -5x + 4$ B) $y = 2x + 4$

C) $y = 7x + 4$ D) $y = 5x + 4$

21) Slope = 2, y-intercept = –4

A) $y = 2x + 3$ B) $y = 2x - 4$

C) $y = -4x + 2$ D) $y = 3x + 2$

22) Slope = –1, y-intercept = –2

A) $y = x - 2$ B) $y = -2x + 1$

C) $y = 2x + 1$ D) $y = -x - 2$

23) Slope = $-\frac{3}{5}$, y-intercept = –5

A) $y = -\frac{3}{5}x - 5$

B) $y = \frac{4}{5}x - 5$

C) $y = \frac{2}{5}x - 5$

D) $y = -5x + \frac{4}{5}$

24) Slope = $-\frac{5}{4}$, y-intercept = 0

A) $y = \frac{1}{4}x$ B) $y = -x$

C) $y = -\frac{5}{4}x$ D) $y = x$

Answers to Assignment (ID: 1)

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

Geometry Name_____

Assignment

Date_____ Period____

Write the slope-intercept form of the equation of each line given the slope and y-intercept.

1) Slope = –2, y-intercept = 5

A) $y = -x + 5$ B) $y = -2x + 5$
C) $y = 2x + 5$ D) $y = 5x - 1$

2) Slope = 7, y-intercept = –4

A) $y = 7x - 4$ B) $y = -2x - 4$
C) $y = -7x - 4$ D) $y = 2x - 4$

3) Slope = $-\frac{1}{4}$, y-intercept = 1

A) $y = -x + \frac{1}{4}$

B) $y = \frac{1}{4}x + 1$

C) $y = x + \frac{1}{4}$

D) $y = -\frac{1}{4}x + 1$

4) Slope = $\frac{2}{3}$, y-intercept = 4

A) $y = \frac{1}{3}x + 4$

B) $y = \frac{2}{3}x + 4$

C) $y = -\frac{1}{3}x + 4$

D) $y = -\frac{2}{3}x + 4$

5) Slope = –4, y-intercept = 1

A) $y = -4x + 1$ B) $y = x + 4$
C) $y = 4x + 1$ D) $y = 5x + 4$

6) Slope = 0, y-intercept = –1

A) $y = -\frac{1}{3}x - \frac{1}{3}$

B) $y = \frac{1}{3}x - \frac{1}{3}$

C) $y = x - \frac{1}{3}$

D) $y = -1$

7) Slope = $-\frac{6}{5}$, y-intercept = 4

A) $y = -4x - \frac{6}{5}$

B) $y = 4x - \frac{6}{5}$

C) $y = -\frac{6}{5}x - 4$

D) $y = -\frac{6}{5}x + 4$

8) Slope = –3, y-intercept = 4

A) $y = -4x + 4$
B) $y = -3x + 4$
C) $y = 4x + 4$
D) $y = -2x + 4$

9) Slope = –1, y-intercept = –5

A) $y = -5x - 1$
B) $y = -5x - 5$
C) $y = -3x - 5$
D) $y = -x - 5$

10) Slope = $\frac{1}{3}$, y-intercept = 0

A) $y = \frac{5}{3}x$ B) $x = 5$

C) $y = \frac{1}{3}x$ D) $y = \frac{5}{3}$

11) Slope = $-\frac{7}{5}$, y-intercept = –3

A) $y = -3x - \frac{7}{5}$

B) $y = -\frac{7}{5}x - 3$

C) $y = -\frac{7}{5}x - 1$

D) $y = -x - \frac{7}{5}$

12) Slope = $\frac{8}{5}$, y-intercept = 3

A) $y = -\frac{4}{5}x + \frac{8}{5}$

B) $y = \frac{4}{5}x + \frac{8}{5}$

C) $y = \frac{8}{5}x + 3$

D) $y = 3x + \frac{8}{5}$

13) Slope = –1, y-intercept = 3

A) $y = -x + 3$ B) $y = -3x + 1$

C) $y = x + 3$ D) $y = 3x + 1$

14) Slope = $\frac{4}{3}$, y-intercept = 5

A) $y = 5x + 5$ B) $y = -5x + 5$

C) $y = \frac{4}{3}x + 5$ D) $y = x + 5$

15) Slope = –4, y-intercept = 4

A) $y = 4x - 4$ B) $y = -4x - 4$

C) $y = -4x + 4$ D) $y = 4x + 4$

16) Slope = $-\frac{1}{2}$, y-intercept = –1

A) $y = -x - \frac{1}{2}$

B) $y = -2x - \frac{1}{2}$

C) $y = 2x - \frac{1}{2}$

D) $y = -\frac{1}{2}x - 1$

17) Slope = $-\frac{3}{4}$, y-intercept = 0

A) $y = 5x$ B) $y = -\frac{1}{2}x$

C) $y = -\frac{3}{4}x$ D) $y = x$

18) Slope = $\frac{6}{5}$, y-intercept = –2

A) $y = \frac{6}{5}x - 2$

B) $y = -2x + \frac{6}{5}$

C) $y = \frac{4}{5}x - 2$

D) $y = -\frac{4}{5}x - 2$

19) Slope = $\frac{5}{3}$, y-intercept = –3

A) $y = -\frac{4}{3}x - 3$

B) $y = \frac{5}{3}x - 3$

C) $y = -\frac{5}{3}x - 3$

D) $y = \frac{4}{3}x - 3$

20) Slope = $\frac{1}{3}$, y-intercept = 2

A) $y = \frac{2}{3}x + 2$

B) $y = -\frac{1}{3}x + 2$

C) $y = \frac{1}{3}x + 2$

D) $y = 2x + \frac{2}{3}$

21) Slope = 1, y-intercept = –2

A) $y = 2x + 1$ B) $y = x - 2$

C) $y = -2x + 1$ D) $y = x + 2$

22) Slope = $-\frac{3}{5}$, y-intercept = –1

A) $y = x - 1$

B) $y = -x - 1$

C) $y = \frac{1}{5}x - 1$

D) $y = -\frac{3}{5}x - 1$

23) Slope = $-\frac{1}{2}$, y-intercept = –4

A) $y = -\frac{1}{2}x - 4$

B) $y = -2x - 4$

C) $y = -5x - 4$

D) $y = 5x - 4$

24) Slope = $-\frac{1}{2}$, y-intercept = 5

A) $y = \frac{1}{2}x + 5$

B) $y = -x + 5$

C) $y = 5x - \frac{1}{2}$

D) $y = -\frac{1}{2}x + 5$

Answers to Assignment (ID: 2)

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

Geometry Name_____

Assignment

Date_____ Period____

Write the slope-intercept form of the equation of each line given the slope and y-intercept.

1) Slope = –4, y-intercept = 1

A) $y = 5x + 1$ B) $y = x + 4$

C) $y = 4x + 1$ D) $y = -4x + 1$

2) Slope = 2, y-intercept = 3

A) $y = -2x + 3$ B) $y = 3x + 2$

C) $y = 2x + 3$ D) $y = 3x - 2$

3) Slope = $-\frac{5}{4}$, y-intercept = 4

A) $y = -\frac{5}{4}x + 4$

B) $y = -4x - \frac{5}{4}$

C) $y = 4x - \frac{5}{4}$

D) $y = x - \frac{5}{4}$

4) Slope = 2, y-intercept = 1

A) $y = 2x + 1$ B) $y = -2x + 1$

C) $y = x + 2$ D) $y = 5x + 1$

5) Slope = $\frac{7}{3}$, y-intercept = –4

A) $y = \frac{7}{3}x - 4$

B) $y = \frac{4}{3}x - 4$

C) $y = -\frac{2}{3}x - 4$

D) $y = \frac{2}{3}x - 4$

6) Slope = $-\frac{3}{4}$, y-intercept = –3

A) $y = -\frac{1}{2}x - 3$

B) $y = \frac{3}{2}x - 3$

C) $y = -\frac{3}{4}x - 3$

D) $y = \frac{1}{2}x - 3$

7) Slope = $\frac{1}{2}$, y-intercept = –2

A) $y = \frac{1}{2}x - 2$

B) $y = -2x + \frac{1}{2}$

C) $y = 2x + \frac{1}{2}$

D) $y = -\frac{5}{2}x + \frac{1}{2}$

8) Slope = 0, y-intercept = 4

A) $y = -4$ B) $y = 4$

C) $y = -4x$ D) $y = 4x$

9) Slope = 0, y-intercept = –5

A) $y = \frac{5}{4}$ B) $y = -5$

C) $x = -5$ D) $x = 5$

10) Slope = $\frac{1}{5}$, y-intercept = 2

A) $y = \frac{1}{5}x + 2$

B) $y = -\frac{1}{5}x + 2$

C) $y = \frac{2}{5}x + 2$

D) $y = -\frac{2}{5}x + 2$

11) Slope = $-\frac{5}{2}$, y-intercept = 0

A) $y = -\frac{5}{2}$

B) $y = -\frac{5}{2}x$

C) $y = \frac{5}{2}x$

D) $y = \frac{3}{2}x$

12) Slope = $\frac{7}{2}$, y-intercept = –2

A) $y = -2x + \frac{7}{2}$

B) $y = \frac{7}{2}x - 2$

C) $y = -\frac{3}{2}x + \frac{7}{2}$

D) $y = \frac{3}{2}x + \frac{7}{2}$

13) Slope = $-\frac{7}{5}$, y-intercept = 2

A) $y = -x + 2$

B) $y = 2x + 2$

C) $y = -5x + 2$

D) $y = -\frac{7}{5}x + 2$

14) Slope = –2, y-intercept = 3

A) $y = -3x + 3$

B) $y = 3x - 2$

C) $y = 2x + 3$

D) $y = -2x + 3$

15) Slope = $\frac{10}{3}$, y-intercept = –5

A) $y = \frac{10}{3}x - 5$

B) $y = -5x + \frac{10}{3}$

C) $y = \frac{2}{3}x + \frac{10}{3}$

D) $y = -\frac{2}{3}x + \frac{10}{3}$

16) Slope = $\frac{8}{3}$, y-intercept = 5

A) $y = \frac{8}{3}x + 5$

B) $y = 5x + \frac{8}{3}$

C) $y = \frac{8}{3}x - \frac{4}{3}$

D) $y = -\frac{4}{3}x + \frac{8}{3}$

17) Slope = $\frac{1}{4}$, y-intercept = –4

A) $y = -\frac{3}{4}x - 4$

B) $y = \frac{3}{4}x - 4$

C) $y = \frac{1}{4}x - 4$

D) $y = -4x - \frac{3}{4}$

18) Slope = 6, y-intercept = –3

A) $y = 6x - 3$

B) $y = 2x - 3$

19) Slope = $\frac{1}{4}$, y-intercept = –1

A) $y = -x + \frac{1}{4}$

B) $y = -\frac{1}{4}x - 1$

C) $y = \frac{1}{4}x - 1$

D) $y = x + \frac{1}{4}$

20) Slope = $-\frac{1}{3}$, y-intercept = 1

A) $y = -\frac{5}{3}x + \frac{1}{3}$

B) $y = -\frac{1}{3}x + 1$

C) $y = x + \frac{1}{3}$

D) $y = \frac{1}{3}x + 1$

21) Slope = $\frac{7}{2}$, y-intercept = –5

A) $y = \frac{5}{2}x + \frac{7}{2}$

B) $y = \frac{7}{2}x - 5$

C) $y = -\frac{5}{2}x + \frac{7}{2}$

D) $y = -5x + \frac{7}{2}$

22) Slope = –1, y-intercept = –2

A) $y = 4x - 2$ B) $y = -x - 2$

C) $y = x - 2$ D) $y = -4x - 2$

23) Slope = $-\frac{5}{2}$, y-intercept = –3

A) $y = -\frac{5}{2}x - 3$

B) $y = 3x + \frac{1}{2}$

C) $y = \frac{1}{2}x - 3$

D) $y = -3x + \frac{1}{2}$

24) Slope = $\frac{3}{5}$, y-intercept = 4

A) $y = \frac{3}{5}x + 4$

B) $y = 4x - \frac{3}{5}$

C) $y = \frac{1}{5}x - \frac{3}{5}$

D) $y = -\frac{3}{5}x + 4$

Answers to Assignment (ID: 3)

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

Geometry Name_____

Assignment

Date_____ Period____

Write the slope-intercept form of the equation of each line given the slope and y-intercept.

1) Slope = –1, y-intercept = 2

A) $y = 3x + 2$ B) $y = -2x + 2$
C) $y = 2x + 2$ D) $y = -x + 2$

2) Slope = 3, y-intercept = 1

A) $y = 3x + 1$ B) $y = x - 1$
C) $y = -x - 1$ D) $y = -x + 1$

3) Slope = –7, y-intercept = –5

A) $y = 4x - 7$
B) $y = -5x - 7$
C) $y = -7x - 5$
D) $y = -7x + 4$

4) Slope = $-\frac{1}{2}$, y-intercept = –2

A) $y = -2x - \frac{1}{2}$
B) $y = \frac{1}{2}x - 2$
C) $y = 2x - \frac{1}{2}$
D) $y = -\frac{1}{2}x - 2$

5) Slope = –2, y-intercept = 0

A) $y = -2$ B) $x = -2$
C) $x = 1$ D) $y = -2x$

6) Slope = $\frac{1}{4}$, y-intercept = –4

A) $y = \frac{1}{4}x - 4$
B) $y = -\frac{3}{4}x - 4$
C) $y = \frac{3}{4}x - 4$
D) $y = -4x + \frac{3}{4}$

7) Slope = $\frac{2}{5}$, y-intercept = 3

A) $y = \frac{2}{5}x + 3$
B) $y = \frac{1}{5}x + 3$
C) $y = -\frac{2}{5}x + 3$
D) $y = 3x - \frac{2}{5}$

8) Slope = 6, y-intercept = 5

A) $y = 6x + 5$ B) $y = -3x + 6$
C) $y = 5x + 6$ D) $y = 3x + 6$

9) Slope = –2, y-intercept = 3

A) $y = -2x + 3$ B) $y = 2x + 3$

C) $y = -3x + 3$ D) $y = 4x + 3$

10) Slope = $\frac{3}{4}$, y-intercept = 1

A) $y = x - \frac{5}{4}$

B) $y = \frac{3}{4}x + 1$

C) $y = -\frac{5}{4}x + 1$

D) $y = -x - \frac{5}{4}$

11) Slope = 3, y-intercept = –3

A) $y = 5x - 3$ B) $y = -3x + 1$

C) $y = 3x - 3$ D) $y = x - 3$

12) Slope = 2, y-intercept = 0

A) $y = 2x$ B) $x = 1$

C) $y = -2$ D) $y = -2x$

13) Slope = $-\frac{3}{2}$, y-intercept = –1

A) $y = -\frac{3}{2}x + 1$

B) $y = x - \frac{3}{2}$

C) $y = -\frac{3}{2}x - 1$

D) $y = -x - \frac{3}{2}$

14) Slope = 0, y-intercept = 5

A) $y = \frac{5}{2}$ B) $x = 5$

C) $y = 5$ D) $x = -5$

15) Slope = 0, y-intercept = –5

A) $y = 3x$ B) $y = -5x$

C) $y = 3$ D) $y = -5$

16) Slope = –2, y-intercept = –4

A) $y = -4x - 2$

B) $y = -2x - 4$

C) $y = -2x - 2$

D) $y = 2x - 2$

17) Slope = $-\frac{4}{3}$, y-intercept = 0

A) $y = \frac{4}{3}x$ B) $x = 3$

C) $y = -\frac{4}{3}$ D) $y = -\frac{4}{3}x$

18) Slope = $\frac{1}{5}$, y-intercept = 1

A) $y = \frac{1}{5}x + 1$

B) $y = -\frac{1}{5}x + 1$

C) $y = x + 1$

D) $y = -x + 1$

19) Slope = 6, y-intercept = 2

A) $y = 6x + 2$ B) $y = -3x + 2$

C) $y = 3x + 2$ D) $y = -6x + 2$

20) Slope = $-\frac{4}{5}$, y-intercept = –4

A) $y = -4x - \frac{4}{5}$

B) $y = -\frac{4}{5}x - 4$

C) $y = 4x - \frac{4}{5}$

D) $y = -\frac{4}{5}x + 4$

21) Slope = $\frac{2}{3}$, y-intercept = –5

A) $y = \frac{2}{3}x - 5$ B) $y = 3x - 5$

C) $y = -3x - 5$ D) $y = -x - 5$

22) Slope = –1, y-intercept = –4

A) $y = -4x - 1$ B) $y = -x - 4$

C) $y = -x + 4$ D) $y = 4x - 1$

23) Slope = $\frac{4}{3}$, y-intercept = –1

A) $y = \frac{4}{3}x - 1$

B) $y = -\frac{1}{3}x - 1$

C) $y = -x - \frac{1}{3}$

D) $y = -x + \frac{4}{3}$

24) Slope = $\frac{7}{4}$, y-intercept = 4

A) $y = \frac{7}{4}x + 4$

B) $y = \frac{1}{4}x + 4$

C) $y = -\frac{1}{4}x + 4$

D) $y = 4x - \frac{1}{4}$

Answers to Assignment (ID: 4)

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

Geometry Name_____

Assignment

Date_____ Period____

Write the slope-intercept form of the equation of each line given the slope and y-intercept.

1) Slope = $\frac{1}{2}$, y-intercept = 0

A) $y = \frac{5}{2}x$ B) $y = -\frac{3}{2}x$

C) $y = \frac{5}{2}$ D) $y = \frac{1}{2}x$

2) Slope = –3, y-intercept = 5

A) $y = 3x + 5$ B) $y = -3x + 5$

C) $y = 5x + 3$ D) $y = 3x + 3$

3) Slope = $\frac{1}{5}$, y-intercept = –2

A) $y = x - 2$

B) $y = \frac{1}{5}x - 2$

C) $y = -2x + \frac{1}{5}$

D) $y = -\frac{1}{5}x - 2$

4) Slope = $-\frac{3}{4}$, y-intercept = 4

A) $y = -\frac{3}{4}x + 4$

B) $y = 4x + \frac{3}{4}$

C) $y = \frac{3}{4}x + 4$

D) $y = -4x + \frac{3}{4}$

5) Slope = $\frac{1}{3}$, y-intercept = 1

A) $y = \frac{5}{3}x + 1$

B) $y = x + \frac{5}{3}$

C) $y = -\frac{5}{3}x + 1$

D) $y = \frac{1}{3}x + 1$

6) Slope = 2, y-intercept = –2

A) $y = -3x + 2$

B) $y = 3x + 2$

C) $y = 2x - 2$

D) $y = -2x + 2$

7) Slope = $-\frac{8}{3}$, y-intercept = –5

A) $y = -\frac{8}{3}x - 5$

B) $y = -\frac{2}{3}x - \frac{8}{3}$

C) $y = -5x - \frac{8}{3}$

D) $y = \frac{2}{3}x - \frac{8}{3}$

8) Slope = –1, y-intercept = 1

A) $y = -4x + 1$ B) $y = -x + 1$

C) $y = x - 1$ D) $y = x + 1$

9) Slope = $\frac{3}{5}$, y-intercept = –1

A) $y = \frac{3}{5}x - 1$

B) $y = \frac{1}{5}x - 1$

C) $y = -x - \frac{1}{5}$

D) $y = -\frac{1}{5}x - 1$

10) Slope = 9, y-intercept = 4

A) $y = 9x + 4$ B) $y = -3x + 4$

C) $y = -9x + 4$ D) $y = 4x - 3$

11) Slope = $-\frac{1}{5}$, y-intercept = –5

A) $y = \frac{1}{5}x - 5$

B) $y = x - 5$

C) $y = -5x + 1$

D) $y = -\frac{1}{5}x - 5$

12) Slope = 2, y-intercept = –1

A) $y = 4x - 1$ B) $y = -x - 4$

C) $y = -4x - 1$ D) $y = 2x - 1$

13) Slope = –3, y-intercept = 2

A) $y = -x + 2$ B) $y = 3x + 2$

C) $y = -3x + 2$ D) $y = 2x - 1$

14) Slope = $\frac{2}{3}$, y-intercept = 3

A) $y = \frac{5}{3}x + 3$

B) $y = 3x - \frac{5}{3}$

C) $y = \frac{2}{3}x + 3$

D) $y = -\frac{5}{3}x + 3$

15) Slope = $\frac{1}{5}$, y-intercept = –3

A) $y = -3x + \frac{1}{5}$

B) $y = -\frac{2}{5}x + \frac{1}{5}$

C) $y = \frac{1}{5}x - 3$

D) $y = 3x + \frac{1}{5}$

16) Slope = $-\frac{2}{5}$, y-intercept = 0

A) $y = -\frac{2}{5}x$

B) $y = -\frac{5}{3}x - \frac{2}{3}$

C) $y = \frac{4}{3}x - \frac{2}{3}$

D) $y = -\frac{2}{5}$

17) Slope = –1, y-intercept = 5

A) $y = 5x + 1$ B) $y = -x + 5$

C) $y = x + 5$ D) $y = 5x - 1$

18) Slope = –1, y-intercept = –2

A) $y = -x - 2$ B) $y = 2x + 1$

C) $y = -2x + 1$ D) $y = x - 2$

19) Slope = $\frac{2}{5}$, y-intercept = 4

A) $y = x + 4$ B) $y = \frac{2}{5}x + 4$

C) $y = -4x + 4$ D) $y = -x + 4$

20) Slope = $\frac{5}{4}$, y-intercept = –3

A) $y = -x - 3$ B) $y = -3x + \frac{5}{4}$

C) $y = \frac{3}{4}x - 3$ D) $y = \frac{5}{4}x - 3$

21) Slope = $\frac{4}{3}$, y-intercept = 1

A) $y = \frac{4}{3}x + 1$

B) $y = x - \frac{5}{3}$

C) $y = -\frac{5}{3}x + 1$

D) $y = \frac{5}{3}x + 1$

22) Slope = $\frac{5}{3}$, y-intercept = 4

A) $y = \frac{5}{3}x + 4$

B) $y = \frac{4}{3}x + 4$

C) $y = -\frac{5}{3}x + 4$

D) $y = 4x + \frac{4}{3}$

23) Slope = $-\frac{5}{4}$, y-intercept = 0

A) $y = -\frac{5}{4}x$ B) $y = -\frac{5}{4}$

C) $y = \frac{2}{5}x + 1$ D) $y = \frac{4}{5}x + 1$

24) Slope = $-\frac{8}{3}$, y-intercept = 5

A) $y = \frac{8}{3}x + 5$

B) $y = \frac{2}{3}x + 5$

C) $y = -\frac{2}{3}x + 5$

D) $y = -\frac{8}{3}x + 5$

Answers to Assignment (ID: 5)

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

Geometry Name_____

Assignment

Date_____ Period____

Write the slope-intercept form of the equation of each line given the slope and y-intercept.

1) Slope = –9, y-intercept = –4

A) $y = 9x - 4$
B) $y = -4x - 3$
C) $y = -3x - 4$
D) $y = -9x - 4$

2) Slope = $-\frac{2}{5}$, y-intercept = –3

A) $y = \frac{2}{5}x + \frac{2}{5}$
B) $y = -3x + \frac{2}{5}$
C) $y = \frac{2}{5}x - 3$
D) $y = -\frac{2}{5}x - 3$

3) Slope = –6, y-intercept = 4

A) $y = 3x + 4$ B) $y = -6x + 4$
C) $y = -2x + 3$ D) $y = 4x + 3$

4) Slope = $-\frac{3}{2}$, y-intercept = –1

A) $y = -\frac{3}{2}x - 1$ B) $y = x - 1$
C) $y = x + 1$ D) $y = -x + 1$

5) Slope = $-\frac{4}{3}$, y-intercept = –5

A) $y = -\frac{4}{3}x - 5$
B) $y = \frac{4}{3}x - 5$
C) $y = x - 5$
D) $y = -5x + 1$

6) Slope = $\frac{5}{2}$, y-intercept = 1

A) $y = \frac{5}{2}x + 1$
B) $y = x - \frac{5}{2}$
C) $y = -\frac{5}{2}x + 1$
D) $y = -\frac{1}{2}x + 1$

7) Slope = $-\frac{6}{5}$, y-intercept = 3

A) $y = -\frac{6}{5}x + 3$
B) $y = 3x - \frac{6}{5}$
C) $y = x - \frac{6}{5}$
D) $y = \frac{6}{5}x + 3$

8) Slope = 2, y-intercept = –2

A) $y = -2x + 2$ B) $y = 3x + 2$
C) $y = 2x + 2$ D) $y = 2x - 2$

9) Slope = $-\frac{1}{2}$, y-intercept = 0

A) $y = -x$ B) $y = -\frac{1}{2}x$

C) $y = \frac{1}{2}x$ D) $y = -2x$

10) Slope = $\frac{1}{2}$, y-intercept = –3

A) $y = -3x + \frac{1}{2}$

B) $y = \frac{1}{2}x - 3$

C) $y = \frac{3}{2}x - 3$

D) $y = -\frac{1}{2}x - 3$

11) Slope = 2, y-intercept = 4

A) $y = -5x + 4$ B) $y = 5x + 4$

C) $y = 2x + 4$ D) $y = 4x + 5$

12) Slope = $\frac{2}{5}$, y-intercept = 5

A) $y = x + 5$ B) $y = -5x + 1$

C) $y = 5x + 1$ D) $y = \frac{2}{5}x + 5$

13) Slope = $-\frac{1}{3}$, y-intercept = 2

A) $y = -\frac{1}{3}x + 2$

B) $y = -2x - \frac{1}{3}$

C) $y = 2x - \frac{1}{3}$

D) $y = -\frac{1}{3}x - 2$

14) Slope = 4, y-intercept = –4

A) $y = 5x - 4$

B) $y = 4x - 4$

C) $y = -4x + 4$

D) $y = -4x + 5$

15) Slope = –3, y-intercept = –2

A) $y = -3x - 2$

B) $y = -5x - 3$

C) $y = -2x - 3$

D) $y = -3x - 5$

16) Slope = –7, y-intercept = 2

A) $y = -7x + 2$ B) $y = 3x + 2$

C) $y = -4x + 2$ D) $y = 7x + 2$

17) Slope = $-\frac{6}{5}$, y-intercept = –1

A) $y = -\frac{6}{5}x - 1$

B) $y = -x - \frac{3}{5}$

C) $y = -\frac{3}{5}x - 1$

D) $y = x - \frac{3}{5}$

18) Slope = 1, y-intercept = –4

A) $y = -x - 4$ B) $y = -4x - 1$

C) $y = x - 4$ D) $y = -4x + 1$

19) Slope = $\frac{7}{3}$, y-intercept = 3

A) $y = -\frac{2}{3}x + 3$

B) $y = -\frac{1}{3}x + 3$

C) $y = -\frac{7}{3}x + 3$

D) $y = \frac{7}{3}x + 3$

20) Slope = $\frac{4}{3}$, y-intercept = –3

A) $y = \frac{4}{3}x - 3$

B) $y = -\frac{4}{3}x - 3$

C) $y = -3x - 1$

D) $y = -x - 3$

21) Slope = $-\frac{8}{5}$, y-intercept = 4

A) $y = -\frac{8}{5}x + 4$

B) $y = \frac{2}{5}x + 4$

C) $y = 4x - \frac{2}{5}$

D) $y = -\frac{2}{5}x + 4$

22) Slope = 1, y-intercept = 1

A) $y = x - 1$ B) $y = -x + 1$

C) $y = -4x - 1$ D) $y = x + 1$

23) Slope = $-\frac{1}{4}$, y-intercept = –1

A) $y = -\frac{1}{4}x - 1$

B) $y = \frac{1}{4}x - 1$

C) $y = -x + \frac{1}{4}$

D) $y = \frac{1}{2}x - 1$

24) Slope = $\frac{1}{2}$, y-intercept = 2

A) $y = -\frac{1}{2}x + 2$

B) $y = 2x - \frac{1}{2}$

C) $y = -\frac{5}{2}x - \frac{1}{2}$

D) $y = \frac{1}{2}x + 2$

Answers to Assignment (ID: 6)

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

Geometry Name_____

Assignment

Date_____ Period____

Write the slope-intercept form of the equation of each line given the slope and y-intercept.

1) Slope = –1, y-intercept = 4

A) $y = 3x + 4$ B) $y = x + 4$
C) $y = -x + 4$ D) $y = -3x + 4$

2) Slope = 0, y-intercept = –2

A) $x = -2$ B) $y = -2x$
C) $y = -2$ D) $y = 2x$

3) Slope = –6, y-intercept = –5

A) $y = 4x - 5$ B) $y = x - 5$
C) $y = -x - 5$ D) $y = -6x - 5$

4) Slope = –1, y-intercept = –3

A) $y = -3x - 1$ B) $y = x - 1$
C) $y = -5x - 1$ D) $y = -x - 3$

5) Slope = 2, y-intercept = 3

A) $y = 2x + 3$ B) $y = -2x + 3$
C) $y = 3x + 3$ D) $y = -3x + 3$

6) Slope = –1, y-intercept = 1

A) $y = -2x + 1$
B) $y = -x + 1$
C) $y = x - 5$
D) $y = -5x + 1$

7) Slope = 0, y-intercept = 0

A) $y = -\frac{1}{2}x$ B) $x = 0$
C) $y = \frac{1}{2}x$ D) $y = 0$

8) Slope = –2, y-intercept = –3

A) $y = -2x - 3$
B) $y = -3x + 3$
C) $y = -3x - 3$
D) $y = 3x - 3$

9) Slope = 1, y-intercept = 0

A) $y = x$ B) $y = -5x$
C) $y = 4x$ D) $y = -x$

10) Slope = 5, y-intercept = 3

A) $y = -5x + 3$ B) $y = 5x + 3$
C) $y = -3x + 3$ D) $y = 3x + 3$

11) Slope = $-\frac{10}{3}$, y-intercept = –5

A) $y = -5x + \frac{5}{3}$

B) $y = \frac{10}{3}x - 5$

C) $y = -\frac{10}{3}x - 5$

D) $y = \frac{5}{3}x - 5$

12) Slope = $-\frac{1}{4}$, y-intercept = –4

A) $y = -4x - \frac{5}{4}$

B) $y = -\frac{5}{4}x - 4$

C) $y = -\frac{1}{4}x - 4$

D) $y = \frac{5}{4}x - 4$

13) Slope = $\frac{3}{2}$, y-intercept = 5

A) $y = -\frac{3}{2}x + 5$

B) $y = -\frac{1}{2}x + 5$

C) $y = \frac{3}{2}x + 5$

D) $y = 5x - \frac{3}{2}$

14) Slope = 1, y-intercept = –4

A) $y = x - 4$ B) $y = -4x + 4$

C) $y = 4x + 4$ D) $y = 4x - 4$

15) Slope = $-\frac{3}{2}$, y-intercept = –3

A) $y = -\frac{1}{2}x - \frac{3}{2}$

B) $y = -\frac{3}{2}x - \frac{1}{2}$

C) $y = -\frac{3}{2}x - 3$

D) $y = -3x - \frac{3}{2}$

16) Slope = $-\frac{2}{5}$, y-intercept = –1

A) $y = -\frac{2}{5}x - \frac{2}{5}$

B) $y = -\frac{2}{5}x - 1$

C) $y = -x - \frac{2}{5}$

D) $y = \frac{2}{5}x - \frac{2}{5}$

17) Slope = $\frac{1}{2}$, y-intercept = 1

A) $y = \frac{1}{2}x + 1$ B) $y = -x + 1$

C) $y = 5x + 1$ D) $y = x + \frac{1}{2}$

18) Slope = 8, y-intercept = –5

A) $y = -5x + 1$ B) $y = 8x - 5$

C) $y = x - 5$ D) $y = -x - 5$

19) Slope = $\frac{7}{4}$, y-intercept = 2

A) $y = 2x + 2$

B) $y = 2x + \frac{7}{4}$

C) $y = \frac{7}{4}x + 2$

D) $y = -x + 2$

20) Slope = $-\frac{8}{3}$, y-intercept = –4

A) $y = -\frac{8}{3}x - 4$

B) $y = 4x - \frac{8}{3}$

C) $y = -4x - \frac{8}{3}$

D) $y = \frac{5}{3}x - \frac{8}{3}$

21) Slope = $-\frac{4}{3}$, y-intercept = –1

A) $y = -\frac{4}{3}x - 1$

B) $y = -\frac{1}{3}x - \frac{4}{3}$

C) $y = -x - \frac{4}{3}$

D) $y = \frac{5}{3}x - \frac{4}{3}$

22) Slope = $-\frac{1}{2}$, y-intercept = 0

A) $y = -\frac{1}{2}x$

B) $y = -x$

C) $y = -\frac{5}{2}x$

D) $y = \frac{5}{2}x$

23) Slope = $\frac{3}{2}$, y-intercept = 2

A) $y = 2x - \frac{1}{2}$

B) $y = \frac{1}{2}x + 2$

C) $y = \frac{3}{2}x + 2$

D) $y = -\frac{1}{2}x + 2$

24) Slope = $-\frac{1}{2}$, y-intercept = 5

A) $y = \frac{5}{2}x + 5$

B) $y = -\frac{1}{2}x + 5$

C) $y = \frac{1}{2}x + 5$

D) $y = -\frac{5}{2}x + 5$

Answers to Assignment (ID: 7)

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

Geometry Name_____

Assignment

Date_____ Period____

Write the slope-intercept form of the equation of each line given the slope and y-intercept.

1) Slope = 8, y-intercept = 5

A) $y = 5x + 8$ B) $y = 8x + 5$
C) $y = 4x + 8$ D) $y = -8x + 5$

2) Slope = 1, y-intercept = 0

A) $y = 1$ B) $y = -x + 1$
C) $y = x - 1$ D) $y = x$

3) Slope = $-\frac{2}{5}$, y-intercept = –4

A) $y = \frac{2}{5}x - 4$
B) $y = -\frac{2}{5}x - 4$
C) $y = -4x + 1$
D) $y = x - 4$

4) Slope = $\frac{1}{2}$, y-intercept = –2

A) $y = 2x - \frac{1}{2}$
B) $y = -\frac{1}{2}x - 2$
C) $y = \frac{1}{2}x - 2$
D) $y = -2x - \frac{1}{2}$

5) Slope = $-\frac{8}{3}$, y-intercept = 4

A) $y = \frac{1}{3}x + 4$
B) $y = -\frac{4}{3}x + 4$
C) $y = -\frac{8}{3}x + 4$
D) $y = \frac{8}{3}x + 4$

6) Slope = 2, y-intercept = 5

A) $y = -5x - 2$
B) $y = 2x + 5$
C) $y = 5x - 2$
D) $y = -2x + 5$

7) Slope = –3, y-intercept = 3

A) $y = -3x + 3$
B) $y = -5x + 3$
C) $y = 3x + 3$
D) $y = 5x + 3$

8) Slope = 2, y-intercept = –5

A) $y = -2x - 5$
B) $y = 2x - 5$
C) $y = 5x - 5$
D) $y = -5x - 5$

9) Slope = 0, y-intercept = 0

A) $y = 0$ B) $y = \frac{1}{4}$
C) $y = x - 4$ D) $y = -4x +$

10) Slope = –2, y-intercept = 3

A) $y = -4x + 3$ B) $y = 4x + 3$
C) $y = -2x + 3$ D) $y = 3x - 4$

11) Slope = $-\frac{1}{5}$, y-intercept = 1

A) $y = x - \frac{3}{5}$

B) $y = -\frac{1}{5}x + 1$

C) $y = -\frac{3}{5}x + 1$

D) $y = \frac{3}{5}x + 1$

12) Slope = 1, y-intercept = –3

A) $y = -3x + 2$ B) $y = 2x - 3$

C) $y = x - 3$ D) $y = 3x + 2$

13) Slope = $\frac{1}{3}$, y-intercept = –5

A) $y = -\frac{1}{3}x - 5$

B) $y = \frac{1}{3}x - 5$

C) $y = -x - 5$

D) $y = x - 5$

14) Slope = $\frac{8}{5}$, y-intercept = 4

A) $y = \frac{1}{5}x + 4$

B) $y = -\frac{8}{5}x + 4$

C) $y = \frac{8}{5}x + 4$

D) $y = 4x + \frac{8}{5}$

15) Slope = $-\frac{3}{2}$, y-intercept = 0

A) $y = -\frac{3}{2}$ B) $y = -\frac{3}{2}x$

C) $x = -3$ D) $x = 3$

16) Slope = $-\frac{1}{5}$, y-intercept = –2

A) $y = -2x - \frac{1}{5}$

B) $y = -\frac{1}{5}x - 2$

C) $y = -\frac{2}{5}x - \frac{1}{5}$

D) $y = 2x - \frac{1}{5}$

17) Slope = 2, y-intercept = 2

A) $y = -2x - 2$ B) $y = 2x + 2$

C) $y = -2x + 2$ D) $y = 2x - 2$

18) Slope = –1, y-intercept = 4

A) $y = -x + 4$ B) $y = x + 4$

C) $y = 4x - 1$ D) $y = -4x - 1$

19) Slope = –5, y-intercept = 5

A) $y = -5x - 5$ B) $y = 5x - 5$

C) $y = -5x + 5$ D) $y = 5x + 5$

20) Slope = $-\frac{1}{5}$, y-intercept = 4

A) $y = \frac{3}{5}x + 4$

B) $y = \frac{1}{5}x + 4$

C) $y = -\frac{1}{5}x + 4$

D) $y = -\frac{2}{5}x + 4$

21) Slope = 3, y-intercept = –1

A) $y = -4x + 3$ B) $y = x + 3$

C) $y = -x + 3$ D) $y = 3x - 1$

22) Slope = $-\frac{5}{3}$, y-intercept = –4

A) $y = \frac{5}{3}x - 4$

B) $y = -4x + \frac{5}{3}$

C) $y = \frac{4}{3}x - 4$

D) $y = -\frac{5}{3}x - 4$

23) Slope = $\frac{3}{4}$, y-intercept = –2

A) $y = -2x + \frac{1}{4}$

B) $y = -\frac{1}{4}x - 2$

C) $y = \frac{3}{4}x - 2$

D) $y = \frac{1}{4}x - 2$

24) Slope = $-\frac{1}{4}$, y-intercept = 1

A) $y = -x - \frac{1}{4}$

B) $y = -\frac{1}{4}x + 1$

C) $y = -\frac{1}{4}x - \frac{1}{4}$

D) $y = x - \frac{1}{4}$

Answers to Assignment (ID: 8)

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

Geometry Name_____

Assignment

Date_____ Period____

Write the slope-intercept form of the equation of each line given the slope and y-intercept.

1) Slope = –2, y-intercept = –5

A) $y = -3x - 5$
B) $y = -2x - 5$
C) $y = 2x - 5$
D) $y = 3x - 5$

2) Slope = 4, y-intercept = –3

A) $y = 4x - 3$ B) $y = -3x - 3$
C) $y = -3x + 3$ D) $y = 3x - 3$

3) Slope = 2, y-intercept = –1

A) $y = -2x - 1$ B) $y = -x - 2$
C) $y = -x + 2$ D) $y = 2x - 1$

4) Slope = $-\frac{3}{2}$, y-intercept = 5

A) $y = -\frac{3}{2}x + 5$
B) $y = 5x - \frac{3}{2}$
C) $y = x - \frac{3}{2}$
D) $y = \frac{3}{2}x + 5$

5) Slope = $\frac{4}{5}$, y-intercept = 0

A) $y = \frac{4}{5}$ B) $y = \frac{4}{5}x$
C) $y = \frac{2}{5}x + \frac{4}{5}$ D) $y = -x + \frac{4}{5}$

6) Slope = 2, y-intercept = 4

A) $y = 2x + 4$
B) $y = 4x - 5$
C) $y = -5x + 4$
D) $y = -4x - 5$

7) Slope = –7, y-intercept = 3

A) $y = 4x + 3$ B) $y = -7x + 3$
C) $y = -4x + 3$ D) $y = 3x - 4$

8) Slope = 2, y-intercept = –3

A) $y = x - 3$ B) $y = -2x - 3$
C) $y = -x - 3$ D) $y = 2x - 3$

9) Slope = 2, y-intercept = 0

A) $y = 2$ B) $y = 2x$
C) $y = -2x$ D) $y = 3x$

10) Slope = $-\frac{8}{3}$, y-intercept = 3

A) $y = 3x - \frac{8}{3}$
B) $y = -\frac{8}{3}x + \frac{2}{3}$
C) $y = \frac{2}{3}x - \frac{8}{3}$
D) $y = -\frac{8}{3}x + 3$

11) Slope = $-\frac{1}{4}$, y-intercept = –2

A) $y = -2x + \frac{1}{4}$

B) $y = \frac{1}{4}x - 2$

C) $y = -\frac{1}{4}x + \frac{1}{4}$

D) $y = -\frac{1}{4}x - 2$

12) Slope = $\frac{1}{4}$, y-intercept = 3

A) $y = \frac{1}{4}x + 3$ B) $y = -x + 3$

C) $y = 3x - 1$ D) $y = x + 3$

13) Slope = 2, y-intercept = 2

A) $y = 2x - 2$

B) $y = 2x + 2$

C) $y = -5x + 2$

D) $y = -2x + 2$

14) Slope = $-\frac{7}{5}$, y-intercept = 5

A) $y = \frac{7}{5}x + 5$

B) $y = 5x + \frac{7}{5}$

C) $y = -5x + \frac{7}{5}$

D) $y = -\frac{7}{5}x + 5$

15) Slope = 0, y-intercept = 5

A) $y = \frac{1}{2}x - \frac{5}{2}$ B) $y = 5$

C) $y = -\frac{1}{2}x - \frac{5}{2}$ D) $y = x - \frac{5}{2}$

16) Slope = 3, y-intercept = 1

A) $y = x + 3$ B) $y = -3x + 1$

C) $y = 3x + 1$ D) $y = -2x + 1$

17) Slope = $\frac{5}{2}$, y-intercept = –1

A) $y = -x + 1$ B) $y = -2x + 1$

C) $y = x - 1$ D) $y = \frac{5}{2}x - 1$

18) Slope = $-\frac{1}{4}$, y-intercept = –5

A) $y = \frac{3}{4}x - 5$

B) $y = -\frac{1}{4}x - 5$

C) $y = -5x + \frac{3}{4}$

D) $y = -\frac{3}{4}x - 5$

19) Slope = $\frac{2}{5}$, y-intercept = –3

A) $y = -3x + \frac{2}{5}$

B) $y = \frac{2}{5}x - \frac{2}{5}$

C) $y = -\frac{2}{5}x + \frac{2}{5}$

D) $y = \frac{2}{5}x - 3$

20) Slope = –8, y-intercept = 4

A) $y = -2x - 8$

B) $y = 4x - 8$

C) $y = -8x - 2$

D) $y = -8x + 4$

21) Slope = –1, y-intercept = –3

A) $y = -3x - 1$

B) $y = 3x - 3$

C) $y = -3x + 3$

D) $y = -x - 3$

22) Slope = $-\frac{8}{5}$, y-intercept = 3

A) $y = 3x + \frac{1}{5}$

B) $y = \frac{1}{5}x + 3$

C) $y = -\frac{8}{5}x + 3$

D) $y = -\frac{1}{5}x + 3$

23) Slope = –3, y-intercept = –4

A) $y = 3x - 4$

B) $y = -4x - 3$

C) $y = -5x - 3$

D) $y = -3x - 4$

24) Slope = $-\frac{1}{3}$, y-intercept = –2

A) $y = \frac{2}{3}x - 2$

B) $y = \frac{5}{3}x - 2$

C) $y = -\frac{1}{3}x - 2$

D) $y = -\frac{2}{3}x - 2$

Answers to Assignment (ID: 9)

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

Geometry Name_____

Assignment

Date_____ Period____

Write the slope-intercept form of the equation of each line given the slope and y-intercept.

1) Slope = –1, y-intercept = 2

A) $y = -3x - 1$
B) $y = -2x - 1$
C) $y = -x + 2$
D) $y = 2x - 1$

2) Slope = 4, y-intercept = 4

A) $y = 4x + 4$
B) $y = 2x + 4$
C) $y = -4x + 4$
D) $y = -2x + 4$

3) Slope = –2, y-intercept = –2

A) $y = -2x + 5$
B) $y = -2x - 2$
C) $y = 5x - 2$
D) $y = 4x - 2$

4) Slope = $\frac{2}{3}$, y-intercept = 1

A) $y = x + \frac{2}{3}$
B) $y = -\frac{1}{3}x + \frac{2}{3}$
C) $y = \frac{1}{3}x + \frac{2}{3}$
D) $y = \frac{2}{3}x + 1$

5) Slope = $-\frac{3}{2}$, y-intercept = –5

A) $y = -5x + \frac{3}{2}$
B) $y = -\frac{3}{2}x - 5$
C) $y = -5x - \frac{3}{2}$
D) $y = \frac{3}{2}x - 5$

6) Slope = $\frac{4}{3}$, y-intercept = –3

A) $y = 3x - \frac{4}{3}$
B) $y = -3x - \frac{4}{3}$
C) $y = \frac{4}{3}x - 3$
D) $y = -\frac{4}{3}x - 3$

7) Slope = $-\frac{3}{5}$, y-intercept = 0

A) $y = -\frac{3}{5}$
B) $x = 5$
C) $x = -5$
D) $y = -\frac{3}{5}x$

8) Slope = 1, y-intercept = 2

A) $y = x + 2$
B) $y = 2x + 1$
C) $y = -x + 2$
D) $y = -4x + 2$

9) Slope = 2, y-intercept = –5

A) $y = -5x - 5$ B) $y = 5x - 5$

C) $y = x - 5$ D) $y = 2x - 5$

10) Slope = $-\frac{1}{3}$, y-intercept = 3

A) $y = 3x - \frac{1}{3}$

B) $y = \frac{1}{3}x - \frac{1}{3}$

C) $y = -3x - \frac{1}{3}$

D) $y = -\frac{1}{3}x + 3$

11) Slope = –1, y-intercept = 0

A) $y = -1$ B) $y = -x$

C) $y = 3x - 1$ D) $y = -3x - 1$

12) Slope = $\frac{2}{3}$, y-intercept = –3

A) $y = -3x - \frac{2}{3}$

B) $y = -\frac{2}{3}x - 3$

C) $y = 3x - \frac{2}{3}$

D) $y = \frac{2}{3}x - 3$

13) Slope = 9, y-intercept = –4

A) $y = 9x - 4$ B) $y = -4x - 4$

C) $y = 4x - 4$ D) $y = -9x - 4$

14) Slope = $-\frac{7}{3}$, y-intercept = 5

A) $y = -x + 5$

B) $y = x + 5$

C) $y = -4x + 5$

D) $y = -\frac{7}{3}x + 5$

15) Slope = $\frac{5}{4}$, y-intercept = 3

A) $y = \frac{5}{4}x + 3$ B) $y = \frac{5}{4}x - 3$

C) $y = -3x + \frac{5}{4}$ D) $y = 3x + \frac{5}{4}$

16) Slope = 1, y-intercept = –1

A) $y = -4x - 1$

B) $y = -3x - 1$

C) $y = x - 1$

D) $y = -x - 1$

17) Slope = –4, y-intercept = –5

A) $y = 4x - 5$ B) $y = -5x + 1$

C) $y = x - 5$ D) $y = -4x - 5$

18) Slope = 0, y-intercept = 4

A) $y = -5x - 4$ B) $y = 4$

C) $y = -4x - 5$ D) $y = x - 4$

19) Slope = $-\frac{2}{5}$, y-intercept = –3

A) $y = \frac{2}{5}x - 3$

B) $y = -\frac{2}{5}x - 3$

C) $y = -\frac{1}{5}x - 3$

D) $y = -3x - \frac{2}{5}$

20) Slope = $\frac{1}{3}$, y-intercept = 2

A) $y = \frac{2}{3}x + 2$

B) $y = -\frac{2}{3}x + 2$

C) $y = \frac{1}{3}x + 2$

D) $y = -\frac{1}{3}x + 2$

21) Slope = $-\frac{3}{4}$, y-intercept = 1

A) $y = x - \frac{3}{4}$

B) $y = -x - \frac{3}{4}$

C) $y = -\frac{3}{4}x - 1$

D) $y = -\frac{3}{4}x + 1$

22) Slope = 0, y-intercept = –5

A) $y = -\frac{5}{2}x + \frac{1}{2}$

B) $y = -5$

C) $y = \frac{1}{2}x + \frac{5}{2}$

D) $y = \frac{5}{2}x + \frac{1}{2}$

23) Slope = $\frac{1}{4}$, y-intercept = –3

A) $y = -3x + \frac{1}{4}$

B) $y = \frac{3}{4}x + \frac{1}{4}$

C) $y = \frac{1}{4}x - 3$

D) $y = -\frac{1}{4}x - 3$

24) Slope = $\frac{5}{4}$, y-intercept = –1

A) $y = -\frac{5}{4}x - 1$

B) $y = \frac{5}{4}x - 1$

C) $y = -x + \frac{5}{4}$

D) $y = x + \frac{5}{4}$

Answers to Assignment (ID: 10)

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