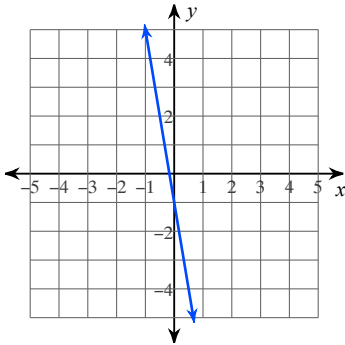


Unit 3 Quiz

Date _____ Period _____

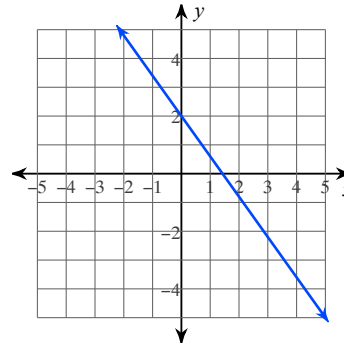
Write the slope-intercept form of the equation of each line.

1)



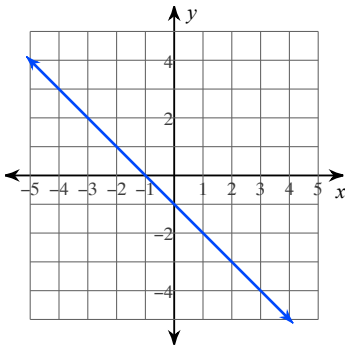
- A) $y = -2x - 1$ B) $y = -6x - 1$
 C) $y = 3x - 1$ D) $y = 6x - 1$

2)



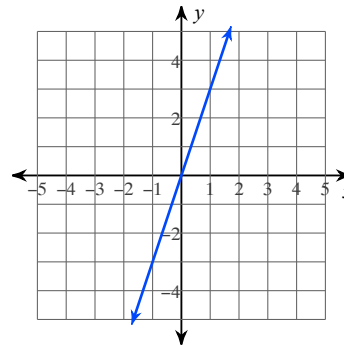
- A) $y = -\frac{7}{5}x + 2$ B) $y = \frac{7}{5}x + 2$
 C) $y = -2x + \frac{7}{5}$ D) $y = 2x + \frac{7}{5}$

3)



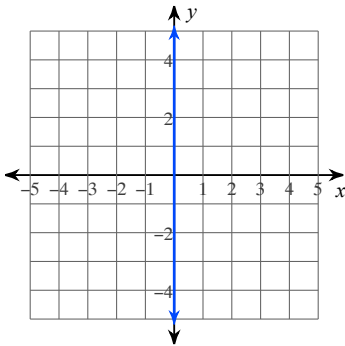
- A) $y = -5x - 1$ B) $y = -x + 2$
 C) $y = -x - 1$ D) $y = 2x - 1$

4)



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

5)



- A) $y = 0$ B) $y = -\frac{1}{5}x$
 C) $y = -\frac{1}{5}$ D) $x = 0$

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

6) Slope = -3 , y-intercept = -5

A) $y = -3x - 5$

B) $y = 2x - 5$

C) $y = -5x - 2$

D) $y = -2x - 5$

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

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

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

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

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

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

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

A) $y = -x + 5$

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

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

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

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

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

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

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

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

Write the slope-intercept form of the equation of the line through the given point with the given slope.

11) through: $(4, -3)$, slope = $-\frac{3}{2}$

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

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

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

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

12) through: $(2, 3)$, slope = $\frac{7}{2}$

A) $y = 4x - 4$

B) $y = -4x - 1$

C) $y = -x - 4$

D) $y = \frac{7}{2}x - 4$

13) through: $(-4, 0)$, slope = $-\frac{5}{4}$

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

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

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

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

14) through: $(2, -4)$, slope = $-\frac{9}{2}$

A) $y = 5x - \frac{9}{2}$

B) $y = -\frac{9}{2}x + 5$

C) $y = -5x - \frac{9}{2}$

D) $y = -x - \frac{9}{2}$

15) through: $(4, -3)$, slope = $\frac{1}{4}$

A) $y = x - 4$

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

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

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

Write the slope-intercept form of the equation of the line through the given points.

16) through: $(-2, 3)$ and $(0, 1)$

A) $y = -x + 1$

B) $y = -2x + 1$

C) $y = 5x + 1$

D) $y = x + 1$

17) through: $(2, 1)$ and $(3, 3)$

A) $y = -3x + 1$

B) $y = x - 3$

C) $y = 2x - 3$

D) $y = -2x - 3$

18) through: (0, 3) and (-5, 4)

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

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

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

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

19) through: (0, -3) and (-3, 5)

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

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

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

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

20) through: (4, 1) and (2, 2)

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

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

21) through: (-3, 5) and (0, 2)

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

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

22) through: (5, -1) and (0, -2)

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

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

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

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

23) through: (4, -4) and (0, -2)

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

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

24) through: (2, -1) and (0, 2)

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

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

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

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

25) through: (-2, -3) and (-2, 1)

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

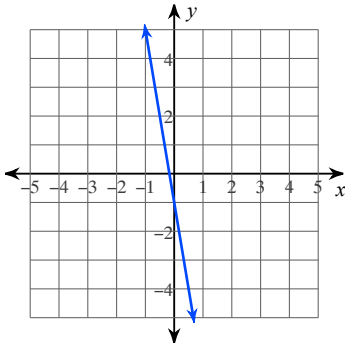
C) $x = -2$ D) $y = 2x$

Unit 3 Quiz

Date _____ Period _____

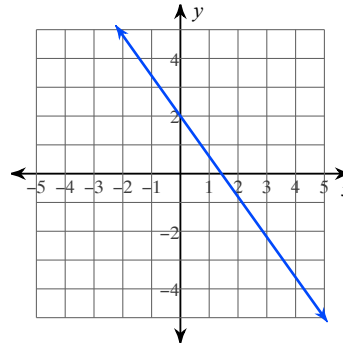
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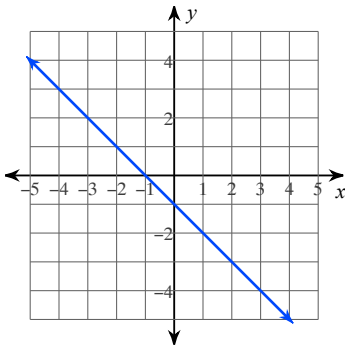
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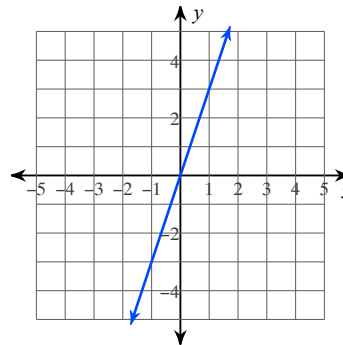
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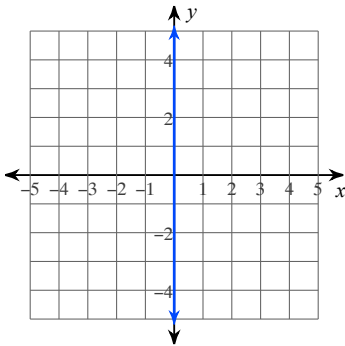
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