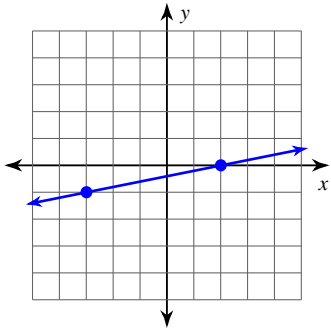


Practice quiz on graphing and writing equations of lines Date _____ Period _____

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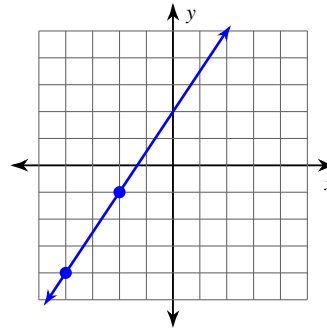
Find the slope of each line.

1)



- A) 5 B) $-\frac{1}{5}$
 C) $\frac{1}{5}$ D) -5

2)



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

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

- A) $-\frac{5}{2}$ B) $\frac{2}{5}$
 C) $-\frac{2}{5}$ D) $\frac{5}{2}$

4) $y = 2x - 5$

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

Find the slope of the line through each pair of points.

5) $(2, 17), (-19, -14)$

- A) $-\frac{21}{31}$ B) $\frac{21}{31}$
 C) $-\frac{31}{21}$ D) $\frac{31}{21}$

6) $(15, -13), (20, 3)$

- A) $\frac{5}{16}$ B) $\frac{16}{5}$
 C) $-\frac{16}{5}$ D) $-\frac{5}{16}$

Find the slope of a line parallel to each given line.

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

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

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

- A) $\frac{1}{4}$ B) 4
C) -4 D) $-\frac{1}{4}$

Find the slope of a line perpendicular to each given line.

9) $y = -2x$

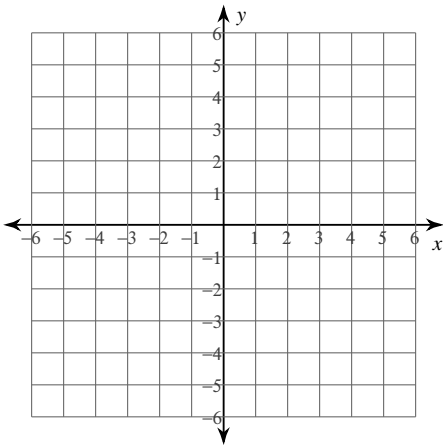
- A) -2 B) 2
C) $\frac{1}{2}$ D) $-\frac{1}{2}$

10) $y = \frac{1}{3}x$

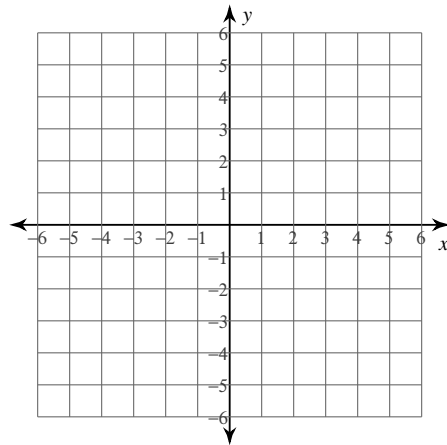
- A) $\frac{1}{3}$ B) 3
C) -3 D) $-\frac{1}{3}$

Sketch the graph of each line.

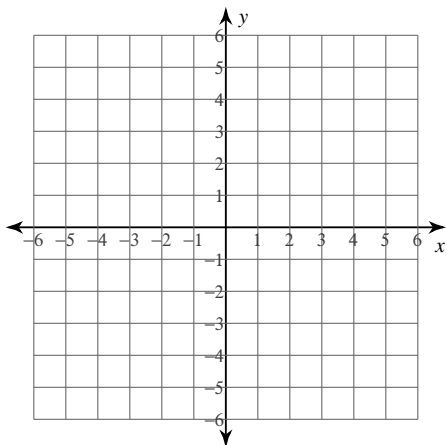
11) x -intercept = 4, y -intercept = -1



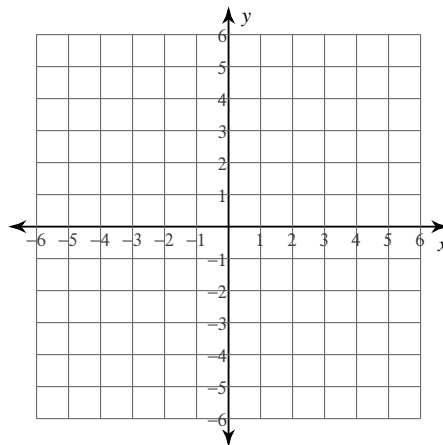
12) x -intercept = -4, y -intercept = 1



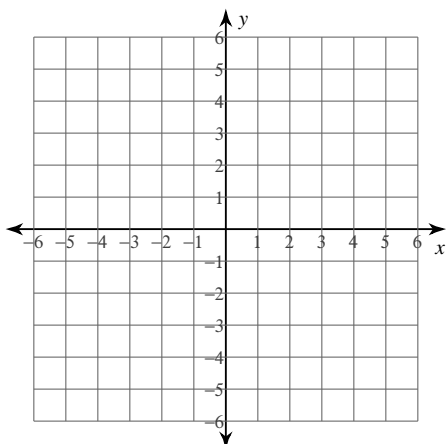
13) $y = \frac{9}{2}x - 5$



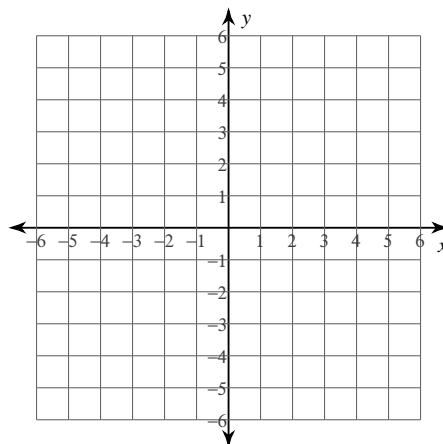
14) $y = -4x - 3$



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

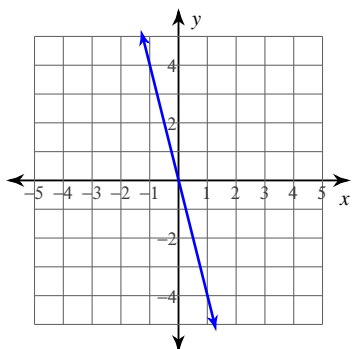


16) $y = -x + 2$



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

17)



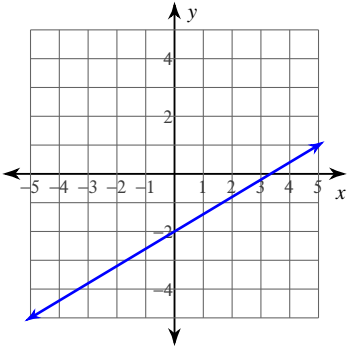
A) $y = 4x$

B) $y = -4x$

C) $y = -2x$

D) $y = 2x$

18)



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

B) $y = -x - 2$

C) $y = x - 2$

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

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

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

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

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

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

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

20) Slope = 2, y-intercept = 2

A) $y = 2x + 2$

B) $y = 2x + 3$

C) $y = -2x + 2$

D) $y = 3x + 2$

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

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

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

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

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

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

22) $y - 4 = -\frac{7}{3}(x + 2)$

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

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

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

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

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

23) through: $(3, -1)$ and $(-2, -2)$

A) $y = \frac{1}{5}x - \frac{8}{5}$

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

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

D) $y = -\frac{8}{5}x + \frac{1}{5}$

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

24) through: $(-3, 0)$, parallel to $y = 1$

A) $y = 0$

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

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

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

25) through: $(-3, 3)$, perp. to $y = -\frac{1}{3}x$

A) $y = 12x - 3$

B) $y = -x + 12$

C) $y = -3x + 12$

D) $y = 3x + 12$