

Review for Quiz (4.6, 4.7, 4.9)

Date _____ Period _____

Find the slope and y-intercept of each line.

1) $y = x - 3$

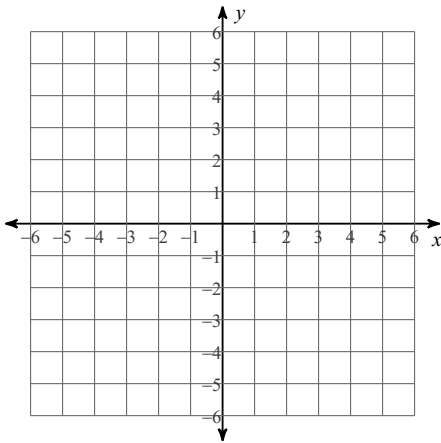
2) $y = 3$

3) $3x + 2y = 10$

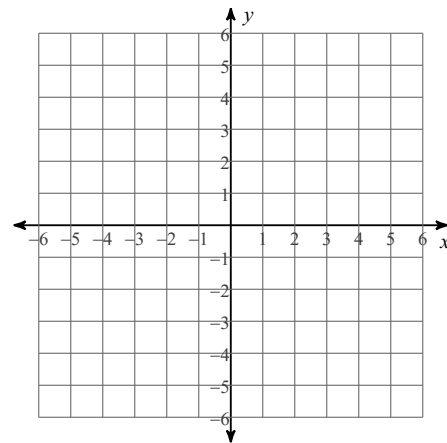
4) $2x - 5y = 20$

Identify the slope and the y-intercept. Then sketch the graph of each line.

5) $y = 2x - 5$



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

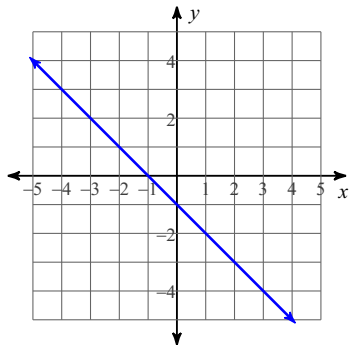
**Write the slope-intercept form of the equation of each line given the slope and y-intercept.**

7) Slope = $-\frac{1}{5}$, y-intercept = 0

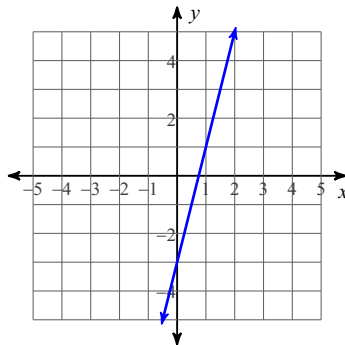
8) Slope = 1, y-intercept = -1

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

9)



10)



11) $x = 2$

12) $7x + 2y = 10$

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

13) through: $(3, 1)$, slope $= -1$

14) through: $(-5, -5)$, slope $= \frac{1}{5}$

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

15) through: $(5, 3)$ and $(0, -5)$

16) through: $(5, -5)$ and $(1, -4)$

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

17) through: $(-5, -4)$, parallel to $y = \frac{9}{5}x - 1$

18) through: $(3, -5)$, parallel to $y = -2x - 5$

19) through: $(5, 4)$, perp. to $y = -\frac{5}{3}x - 2$

20) through: $(-4, -4)$, perp. to $y = -3$

Review for Quiz (4.6, 4.7, 4.9)

Date _____ Period _____

Find the slope and y-intercept of each line.

1) $y = x - 3$

1

2) $y = 3$

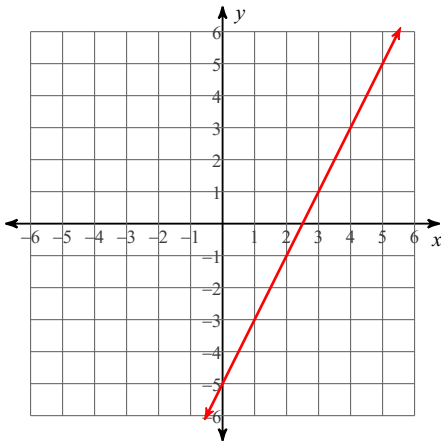
0

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

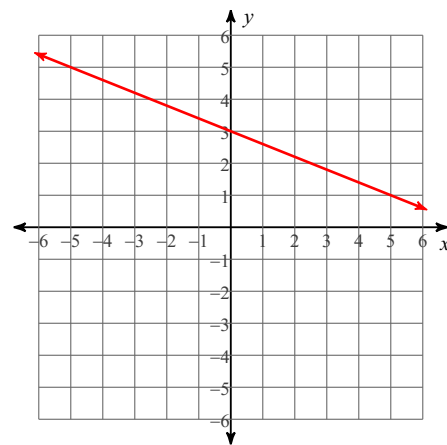
4) $2x - 5y = 20$ $\frac{2}{5}$

Identify the slope and the y-intercept. Then sketch the graph of each line.

5) $y = 2x - 5$



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

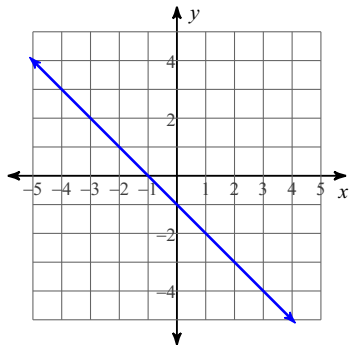
**Write the slope-intercept form of the equation of each line given the slope and y-intercept.**

7) Slope = $-\frac{1}{5}$, y-intercept = 0 $y = -\frac{1}{5}x$

8) Slope = 1, y-intercept = -1
 $y = x - 1$

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

9)

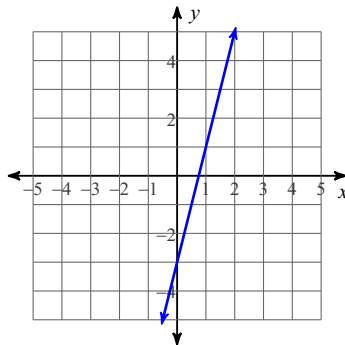


$$y = -x - 1$$

11) $x = 2$

$$x = 2$$

10)



$$y = 4x - 3$$

12) $7x + 2y = 10$ $y = -\frac{7}{2}x + 5$

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

13) through: $(3, 1)$, slope = -1

$$y = -x + 4$$

14) through: $(-5, -5)$, slope = $\frac{1}{5}$ $y = \frac{1}{5}x - 4$

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

15) through: $(5, 3)$ and $(0, -5)$ $y = \frac{8}{5}x - 5$

16) through: $(5, -5)$ and $(1, -4)$ $y = -\frac{1}{4}x - \frac{15}{4}$

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

17) through: $(-5, -4)$, parallel to $y = \frac{9}{5}x - 1$ $y = \frac{9}{5}x + 5$ 18) through: $(3, -5)$, parallel to $y = -2x - 5$
 $y = -2x + 1$

19) through: $(5, 4)$, perp. to $y = -\frac{5}{3}x - 2$ $y = \frac{3}{5}x + 1$ 20) through: $(-4, -4)$, perp. to $y = -3$
 $x = -4$