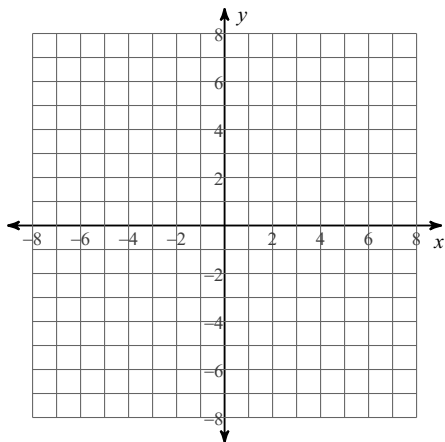


Writing Linear Equations

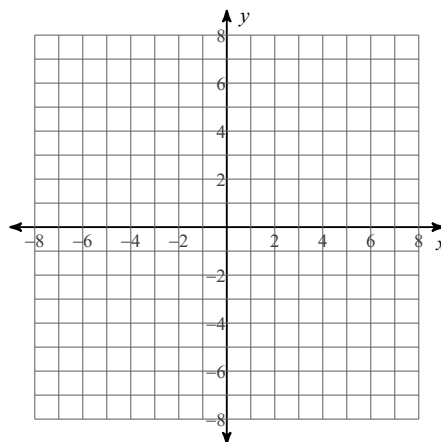
Date _____ Period _____

Graph the line through the indicated point, with the indicated slope. Then use the graph to write the equation in slope intercept form.

- 1) through
- $(2, 1)$
- with a slope of 2.



- 2) through
- $(-6, 7)$
- with a slope of
- $-\frac{2}{3}$
- .



Use Slope intercept form to write the equation of the line.

- 3) through
- $(2, 1)$
- with a slope of 2.

- 4) through
- $(-6, 7)$
- with a slope of
- $-\frac{2}{3}$
- .

Use point-slope form to write the slope-intercept form equation of the given line.

Use Point-Slope form: $(y - y_1) = m(x - x_1)$

- 5) through
- $(2, 1)$
- with a slope of 2.

- 6) through
- $(-6, 7)$
- with a slope of
- $-\frac{2}{3}$
- .

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

- 7) through:
- $(1, -1)$
- and
- $(-1, -5)$

- 8) through:
- $(3, 1)$
- and
- $(6, -1)$

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

9) through: $(1, 3)$, slope = 2

10) through: $(5, 4)$, slope = 9

11) through: $(3, -3)$, slope = $-\frac{8}{3}$

12) through: $(-3, 3)$, slope = $-\frac{8}{3}$

13) through: $(5, 1)$, slope = $-\frac{2}{5}$

14) through: $(-2, 3)$, slope = $-\frac{5}{2}$

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

15) through: $(-1, -2)$ and $(-5, 2)$

16) through: $(-1, -1)$ and $(-2, -4)$

17) through: $(2, 5)$ and $(-1, -4)$

18) through: $(-5, -1)$ and $(-4, 0)$

19) through: $(6, 13)$ and $(-1, -1)$

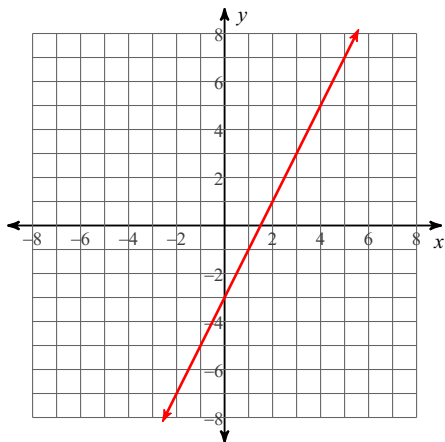
20) through: $(3, -3)$ and $(-3, 11)$

Writing Linear Equations

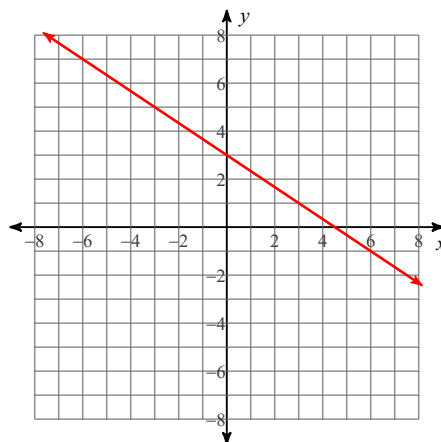
Date _____ Period _____

Graph the line through the indicated point, with the indicated slope. Then use the graph to write the equation in slope intercept form.

- 1) through
- $(2, 1)$
- with a slope of 2.



- 2) through
- $(-6, 7)$
- with a slope of
- $-\frac{2}{3}$
- .



Use Slope intercept form to write the equation of the line.

- 3) through
- $(2, 1)$
- with a slope of 2.

$$y = 2x - 3$$

- 4) through
- $(-6, 7)$
- with a slope of
- $-\frac{2}{3}$
- .

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

Use point-slope form to write the slope-intercept form equation of the given line.

Use Point-Slope form: $(y - y_1) = m(x - x_1)$

- 5) through
- $(2, 1)$
- with a slope of 2.

$$y = 2x - 3$$

- 6) through
- $(-6, 7)$
- with a slope of
- $-\frac{2}{3}$
- .

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

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

- 7) through:
- $(1, -1)$
- and
- $(-1, -5)$

$$y = 2x - 3$$

- 8) through:
- $(3, 1)$
- and
- $(6, -1)$

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

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

9) through: $(1, 3)$, slope = 2

$$y = 2x + 1$$

10) through: $(5, 4)$, slope = 9

$$y = 9x - 41$$

11) through: $(3, -3)$, slope = $-\frac{8}{3}$

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

12) through: $(-3, 3)$, slope = $-\frac{8}{3}$

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

13) through: $(5, 1)$, slope = $-\frac{2}{5}$

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

14) through: $(-2, 3)$, slope = $-\frac{5}{2}$

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

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

15) through: $(-1, -2)$ and $(-5, 2)$

$$y = -x - 3$$

16) through: $(-1, -1)$ and $(-2, -4)$

$$y = 3x + 2$$

17) through: $(2, 5)$ and $(-1, -4)$

$$y = 3x - 1$$

18) through: $(-5, -1)$ and $(-4, 0)$

$$y = x + 4$$

19) through: $(6, 13)$ and $(-1, -1)$

$$y = 2x + 1$$

20) through: $(3, -3)$ and $(-3, 11)$

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