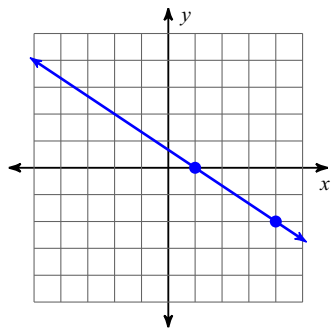
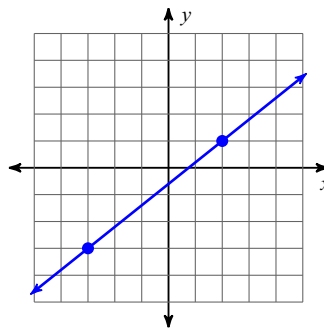


Find the slope of each line.

1)



2)



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

3) $(13, 1), (1, 16)$

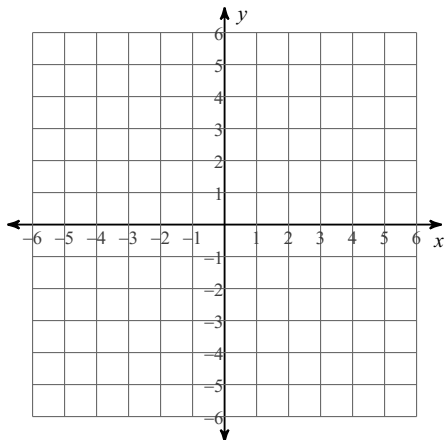
4) $(12, -4), (1, -1)$

5) $(-8, -14), (-10, -17)$

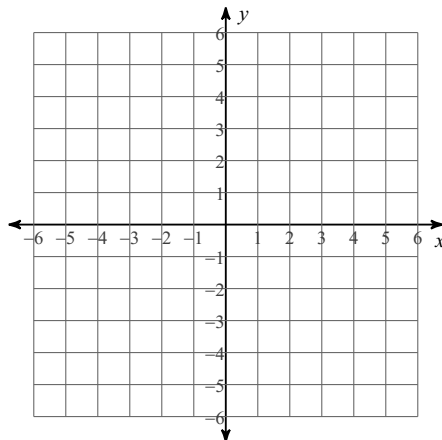
6) $(14, 14), (14, -12)$

Sketch the graph of each line.

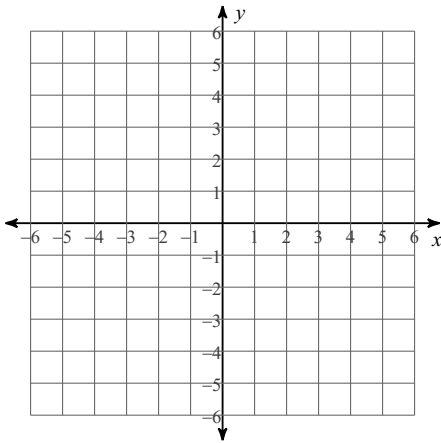
7) $y = x + 3$



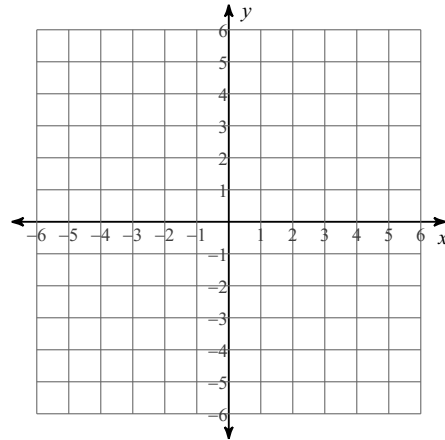
8) $x = -5$



9) $y = -4x + 2$



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



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

11) through: $(-4, 0)$, slope = 3

12) through: $(-1, 3)$, slope = -8

13) through: $(-1, 2)$, slope = 1

14) through: $(1, 0)$, slope = 0

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

16) through: $(5, -4)$, slope = $-\frac{9}{5}$

17) through: $(4, -2)$, slope = $\frac{1}{2}$

18) through: $(0, -4)$, slope = -6

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

19) through: $(0, -4)$ and $(2, 1)$

20) through: $(-5, -3)$ and $(-5, -4)$

21) through: $(0, 0)$ and $(-1, -3)$

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

23) through: $(-3, 0)$ and $(0, -3)$

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

25) through: $(-1, 5)$ and $(-3, -4)$

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

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

27) through: $(1, 1)$, parallel to $y = -\frac{1}{2}x - 1$

28) through: $(-3, -5)$, parallel to $y = \frac{2}{3}x - 1$

29) through: $(-1, 4)$, parallel to $y = 5$

30) through: $(-1, -3)$, parallel to $y = -2x + 3$

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

32) through: $(-5, 4)$, perp. to $y = 0$

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

34) through: $(2, -3)$, perp. to $y = \frac{2}{7}x + 1$

Write the x and y intercepts for each line.

35) $7x + 4y = 4$

36) $x - y = 6$

37) $5x + y = -5$

38) $3x - y = 4$

Linear Equations Test Review

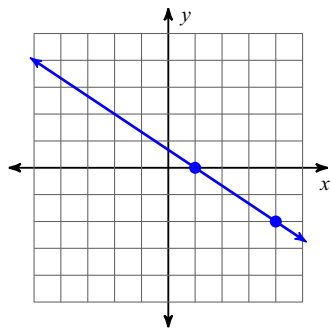
Name _____ ID: 1

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Date _____ Period _____

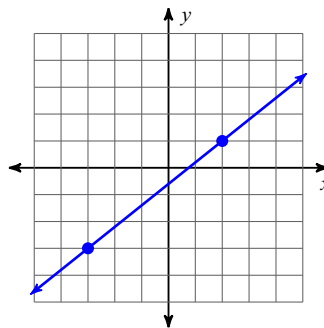
Find the slope of each line.

1)



$$-\frac{2}{3}$$

2)



$$\frac{4}{5}$$

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

3) (13, 1), (1, 16)

$$-\frac{5}{4}$$

4) (12, -4), (1, -1)

$$-\frac{3}{11}$$

5) (-8, -14), (-10, -17)

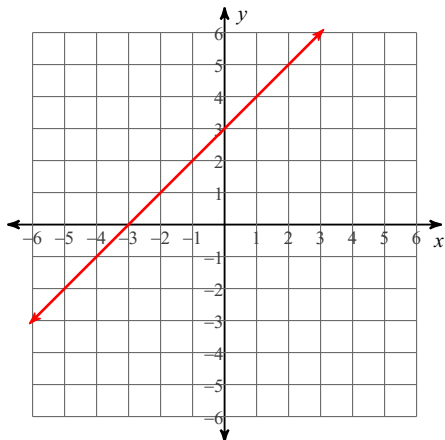
$$\frac{3}{2}$$

6) (14, 14), (14, -12)

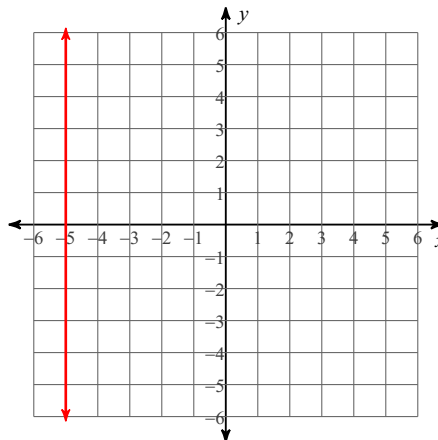
Undefined

Sketch the graph of each line.

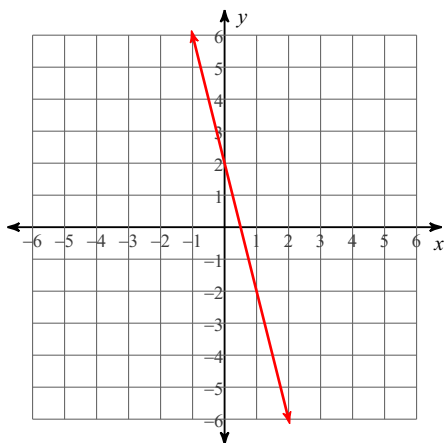
7) $y = x + 3$



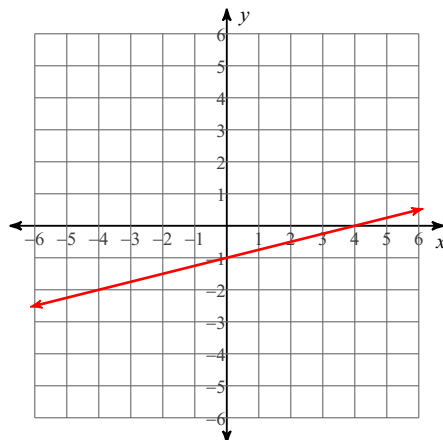
8) $x = -5$



9) $y = -4x + 2$



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



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

11) through: $(-4, 0)$, slope = 3

$$y = 3x + 12$$

12) through: $(-1, 3)$, slope = -8

$$y = -8x - 5$$

13) through: $(-1, 2)$, slope = 1

$$y = x + 3$$

14) through: $(1, 0)$, slope = 0

$$y = 0$$

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

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

16) through: $(5, -4)$, slope = $-\frac{9}{5}$

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

17) through: $(4, -2)$, slope = $\frac{1}{2}$

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

18) through: $(0, -4)$, slope = -6

$$y = -6x - 4$$

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

19) through: $(0, -4)$ and $(2, 1)$

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

20) through: $(-5, -3)$ and $(-5, -4)$

$$[(x = -5)]$$

21) through: $(0, 0)$ and $(-1, -3)$

$$y = 3x$$

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

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

23) through: $(-3, 0)$ and $(0, -3)$

$$y = -x - 3$$

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

$$y = -1$$

25) through: $(-1, 5)$ and $(-3, -4)$

$$y = \frac{9}{2}x + \frac{19}{2}$$

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

$$y = x - 5$$

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

27) through: $(1, 1)$, parallel to $y = -\frac{1}{2}x - 1$

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

28) through: $(-3, -5)$, parallel to $y = \frac{2}{3}x - 1$

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

29) through: $(-1, 4)$, parallel to $y = 5$

$$y = 4$$

30) through: $(-1, -3)$, parallel to $y = -2x + 3$

$$y = -2x - 5$$

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

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

32) through: $(-5, 4)$, perp. to $y = 0$

$$x = -5$$

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

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

34) through: $(2, -3)$, perp. to $y = \frac{2}{7}x + 1$

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

Write the x and y intercepts for each line.

35) $7x + 4y = 4$

$(4/7, 0)$ and $(0, 1)$

36) $x - y = 6$

$(6, 0)$ and $(0, -6)$

37) $5x + y = -5$

$(-1, 0)$ and $(0, -5)$

38) $3x - y = 4$

$(4/3, 0)$ and $(0, -4)$