

Unit 8 Review

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

1) $(-3, 12), (20, 14)$

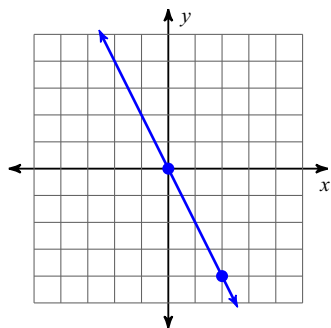
2) $(-4, 8), (-6, -4)$

3) $(0, 3), (-2, 0)$

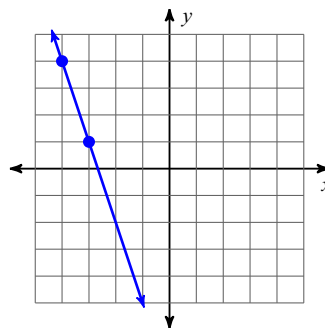
4) $(18, -8), (18, 3)$

Find the slope of each line.

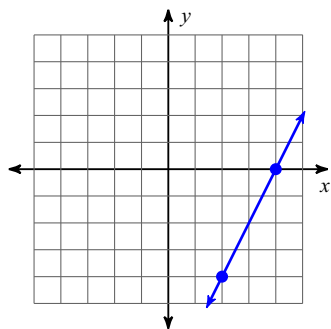
5)



6)



7)



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

$$9) y = \frac{8}{5}x + 4$$

$$10) y = -x - 5$$

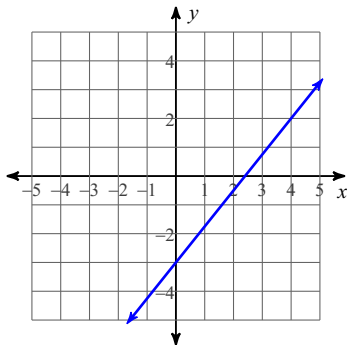
Write the slope-intercept form of the equation of each line given the slope and y-intercept.

$$11) \text{ Slope} = 0, \text{ y-intercept} = -2$$

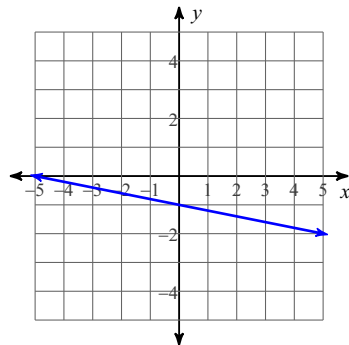
$$12) \text{ Slope} = -\frac{7}{4}, \text{ y-intercept} = -3$$

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

13)



14)



$$15) y + 4 = -2(x - 3)$$

$$16) y - 2 = \frac{3}{2}(x + 2)$$

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

$$17) \text{ through: } (-3, -4), \text{ slope} = 2$$

$$18) \text{ through: } (1, -2), \text{ slope} = 2$$

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

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

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

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

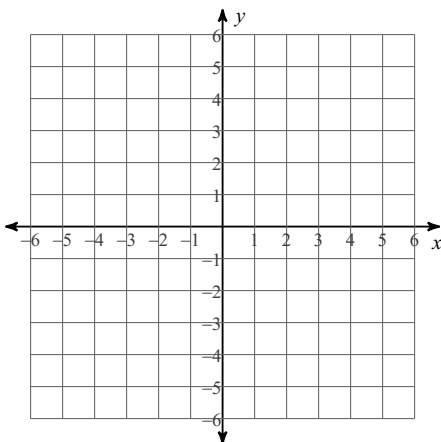
22) through: $(1, 1)$ and $(0, 0)$

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

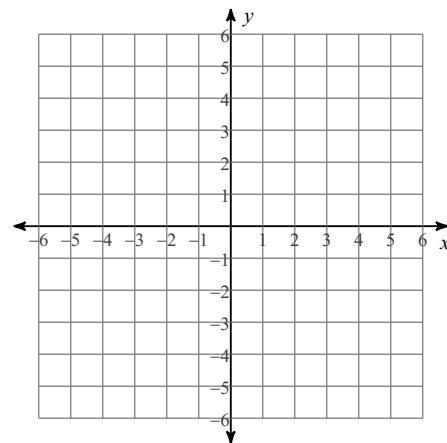
24) through: $(5, 0)$ and $(-1, 1)$

Sketch the graph of each line.

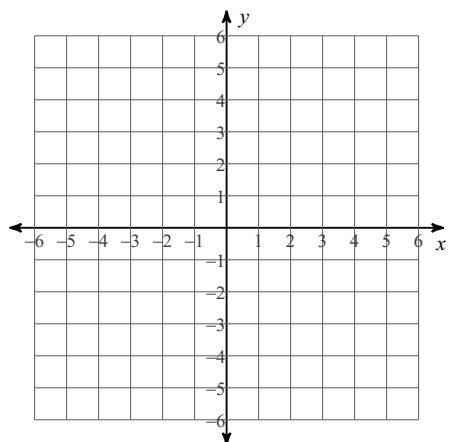
25) $y = -4$



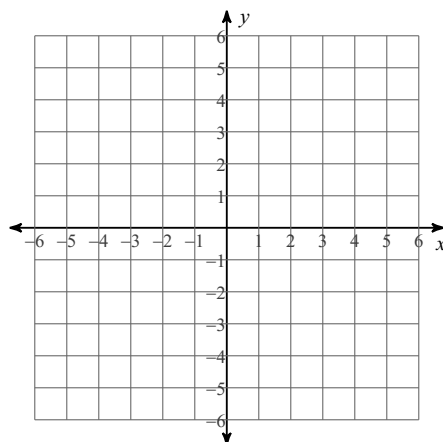
26) $y = -\frac{7}{2}x + 3$



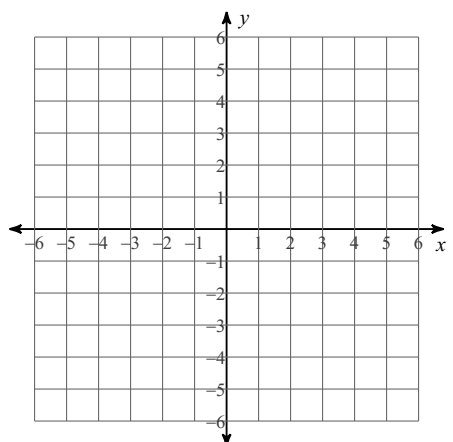
$$27) y = \frac{1}{4}x - 4$$



$$28) y = \frac{1}{2}x - 1$$



$$29) y = 5x - 3$$



$$30) y = -\frac{5}{4}x + 3$$

