FdM1

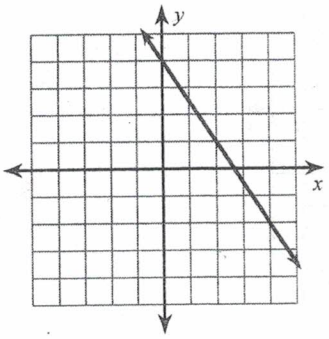
Name_____

Unit 3 Class-work #3 Sect. 3.3-3.5

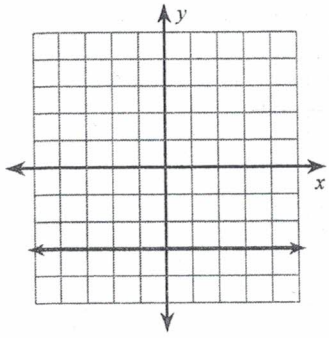
Date_____ Period____

Find the slope of each line.

1)



2)



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

3) $(5, -4), (5, -11)$

4) $(8, -18), (-16, 7)$

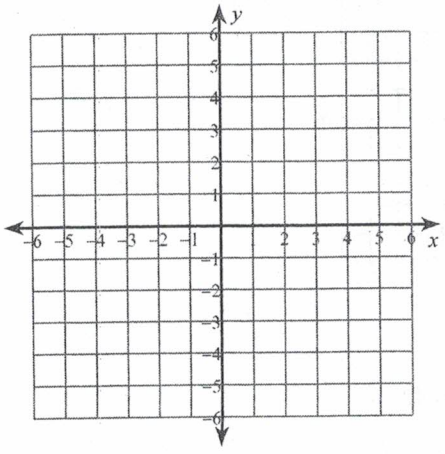
Find the value of x or y so that the line through the points has the given slope.

5) $(-19, 11)$ and $(31, y)$; slope: $-\frac{9}{10}$

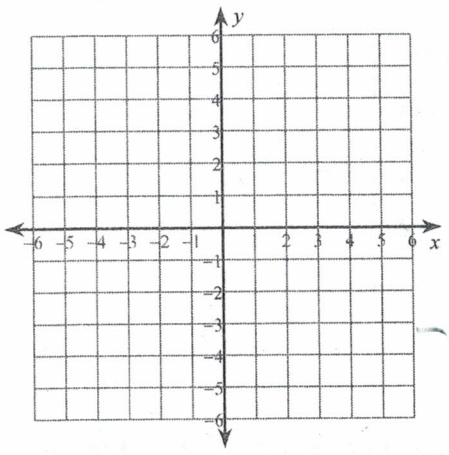
6) $(25, -5)$ and $(x, -40)$; slope: $\frac{5}{4}$

Sketch the graph of each line.

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

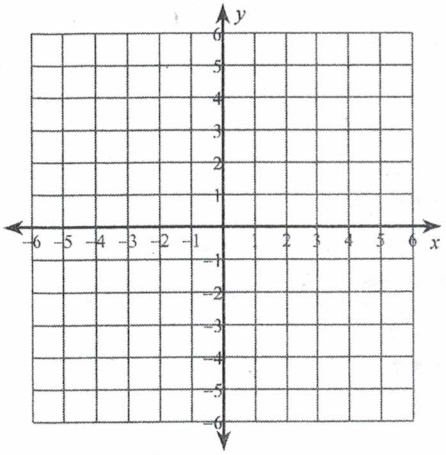


8) $y = -2x + 2$

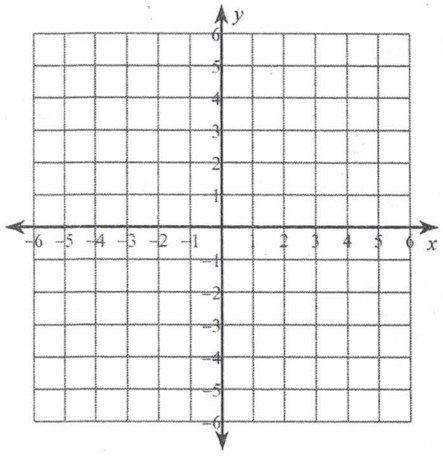


Sketch the graph of each line using the x- and y- intercepts.

9) $5x + 3y = 3$



10) $5x - 4y = 20$



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

11) Slope = –3, y-intercept = –2

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

12) $5x + 4y = 32$

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

13) through: $(0, -4)$ and $(3, 4)$

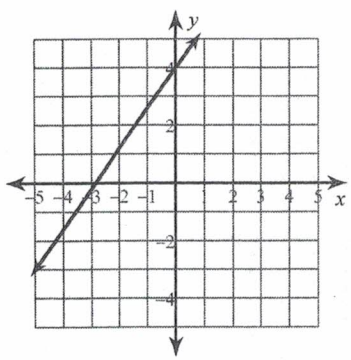
14) through: $(-2, -2)$ and $(4, 3)$

Write the standard form of the equation of each line.

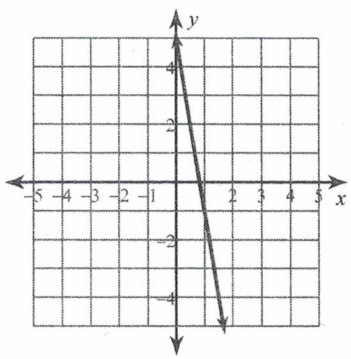
15) $y = -\frac{5}{3}x - 4$

16) $y = \frac{5}{6}x + 6$

17)



18)



Write the standard form of the equation of the line through the given points.

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

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