

Solve each equation.

1) $\frac{6+x}{10} = 2$

2) $1 = \frac{n}{3} - 3$

3) $-5(2x+4) = -60$

4) $|p| = 8$

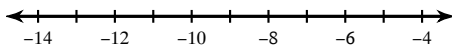
5) $\frac{|7n-5|}{7} = 2$

Solve each equation for the indicated variable.

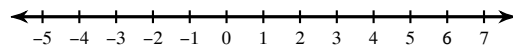
6) $g = 2 + 4x$, for x

Solve each inequality and graph its solution.

7) $19 < -2m - 1$



8) $|-2a+5| \leq 3$

**Write each as an algebraic expression.**

9) the quotient of n and 6 is 29

10) 12 more than n is equal to 35

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

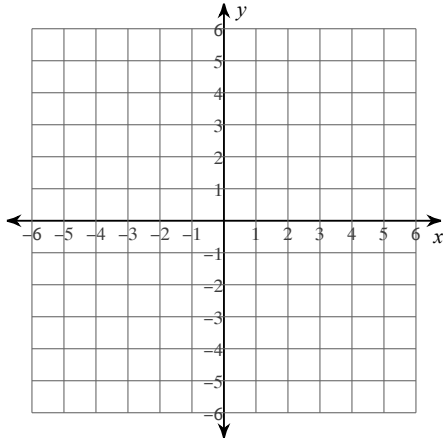
11) $(10, -13), (7, -18)$

Find the slope of each line.

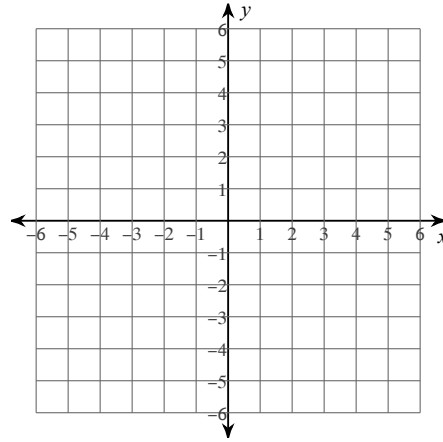
12) $y = -\frac{2}{3}x - 4$

Sketch the graph of each line.

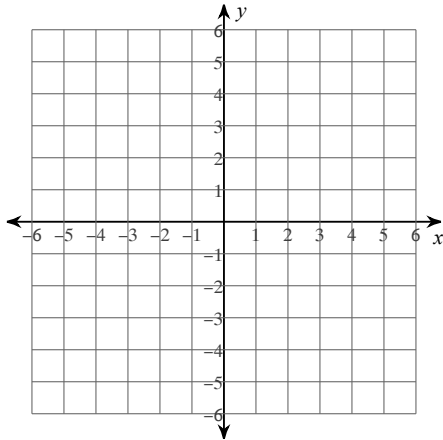
13) x -intercept = 1, y -intercept = -2



14) $2x - y = 5$



15) $y = -\frac{1}{5}x + 3$



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

16) Slope = $\frac{3}{4}$, y -intercept = 1

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

17) through: $(2, -4)$, slope = $\frac{1}{7}$

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

18) through: $(-2, -3)$ and $(1, -1)$

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

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

20) through: $(-2, 1)$ and $(-1, -1)$