

Solve each equation.

1) $11 + m = -2$

2) $-7 + \frac{k}{3} = -11$

3) $7 = \frac{n + 5}{2}$

4) $5(2 + 5p) = 85$

5) $|m| = 10$

6) $4|5r - 2| = 92$

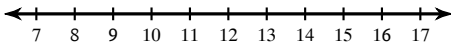
Solve each equation for the indicated variable.

7) $-2m + 3x = -6$, for x

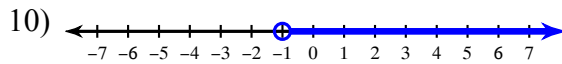
8) $3x + 2c = 4$, for x

Solve each inequality and graph its solution.

9) $\frac{r}{10} + 3 \geq 4$

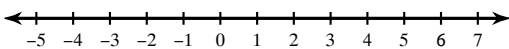


Write an inequality for each graph.



Solve each inequality and graph its solution.

11) $|4x - 3| \leq 11$



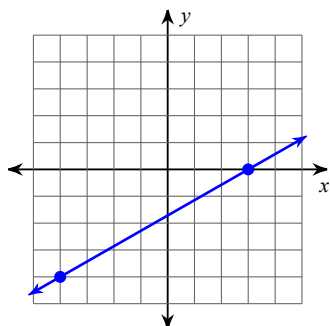
Write each as an algebraic expression.

12) 17 less than n is 12

13) the sum of m and 10 is 47

Find the slope of each line.

14)



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

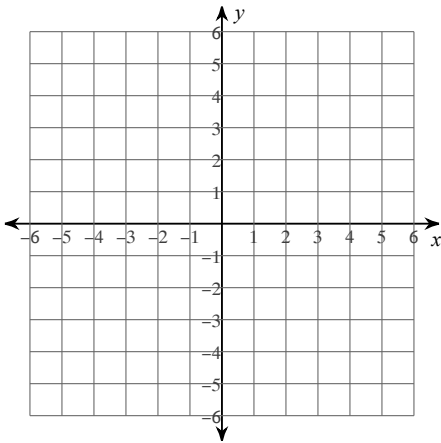
15) $(7, 16), (-19, 12)$

Find the slope of each line.

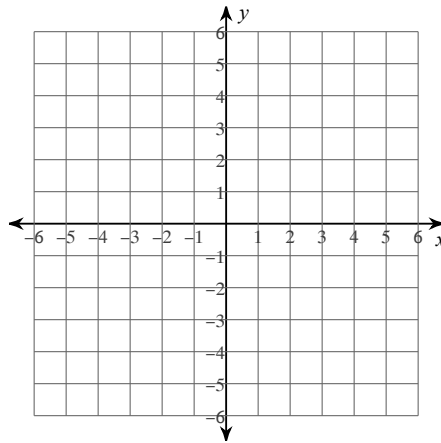
16) $y = -\frac{6}{5}x + 2$

Sketch the graph of each line.

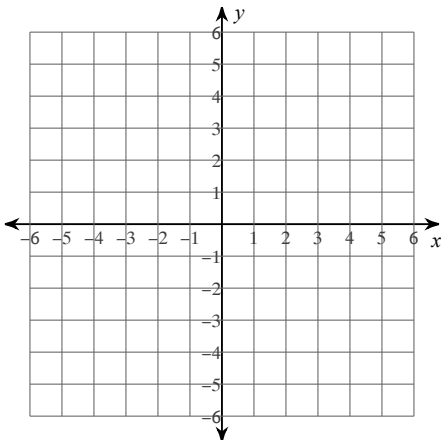
17) x -intercept = -5 , y -intercept = 2



18) $2x + 5y = 0$



19) $y = -x - 2$



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

20) Slope = -2 , y -intercept = 3