

**Solve each equation.**

1)  $6(r + 4) = 12$

2)  $\frac{8 + n}{3} = -4$

3)  $5n - 1 = 1 + 5n$

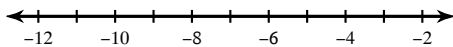
4)  $|x - 7| + 10 = 27$

**Solve each equation for the indicated variable.**

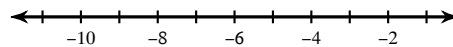
5)  $7x + 5y = 11$ , for  $y$

**Solve each inequality and graph its solution.**

6)  $-5x \leq 20$

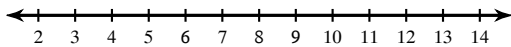


7)  $m - 6 > -9$



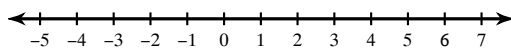
**Solve each compound inequality and graph its solution.**

8)  $21 \leq 6 + 5k < 56$



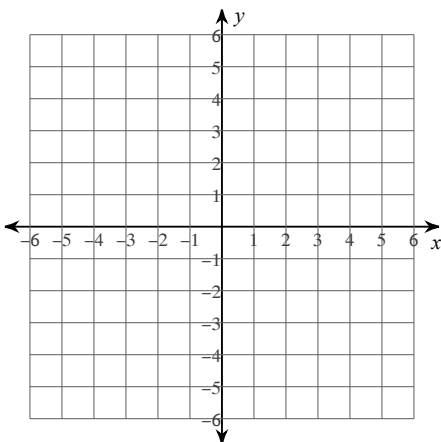
**Solve each inequality and graph its solution.**

9)  $|k| > 2$



**Sketch the graph of each line.**

10)  $y = \frac{6}{5}x - 5$



11) Evaluate the function:  
 $f(x) = 2x - 3$  for  $x = 2$

12) Find the value of  $x$  so that the function has the given value:  
 $f(x) = 7x - 4$ ;  $f(x) = 17$

13) Find the intercepts of:  
 $7x - 3y = 21$

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

14)  $(19, 5), (13, -16)$

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

15) through:  $(0, 1)$  and  $(-5, 3)$

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

16) through:  $(5, -1)$ , slope =  $\frac{2}{5}$

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

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

Solve each system by substitution.

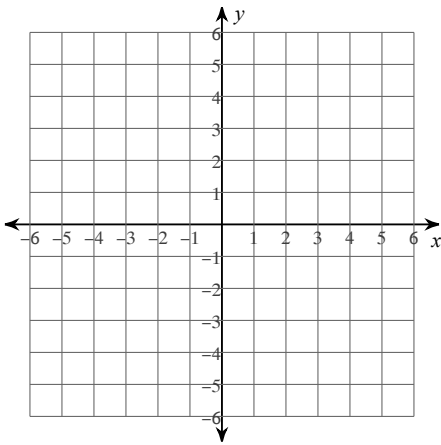
18)  $-7x + 2y = 6$   
 $4x + y = -12$

Solve each system by elimination.

19)  $3x + 2y = -1$   
 $-6x - 7y = -10$

Sketch the graph of each linear inequality.

20)  $y < \frac{1}{3}x - 2$



Sketch the graph of each function.

21)  $y = 4 \cdot 2^x$

