

Solve each equation.

1) $\frac{v}{2} + 4 = 11$

2) $8(x - 7) + 5 = -19$

3) $p + 6 = 4 + p$

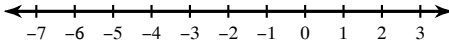
4) $-3|r + 3| = -12$

Solve each equation for the indicated variable.

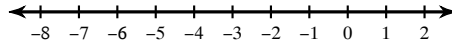
5) $y + 5 = 3(x - 2)$ for y

Solve each inequality and graph its solution.

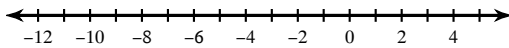
6) $k - 2 \geq -7$



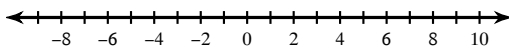
7) $n + 10 > 8$

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

8) $2n - 5 > -3$ or $-1 - 5n \geq 39$

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

9) $|n| > 5$



10) Evaluate the function:
 $f(x) = 3x - 1$ for $x = 10$

11) Find the value of x so that the function has
the given value:
 $f(x) = 7x - 1$; $f(x) = 62$

12) Find the intercepts of:
 $y = \frac{2}{3}x - 5$

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

13) $(7, -18), (-1, 14)$

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

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

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

15) through: $(3, 2)$, parallel to $y = -x + 4$

Solve each system by substitution.

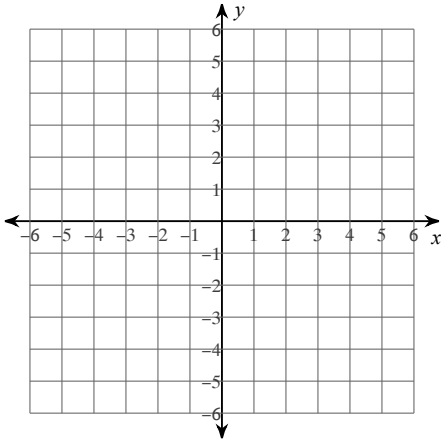
$$\begin{aligned} 16) \quad & -5x - 7y = -7 \\ & x + 2y = 2 \end{aligned}$$

Solve each system by elimination.

$$\begin{aligned} 17) \quad & -5x - 8y = 28 \\ & 5x - 9y = -11 \end{aligned}$$

Sketch the graph of each linear inequality.

18) $y \geq 3$



Find the mode, median, mean, and standard deviation for each data set.

19) # Words in Book Titles
2 5 5 4 3 4 2 2
6 5 2

Describe the correlation, / association / replationship between the two variables.

