

Solve each of the following inequations and represent the solutions on a graph.

1.  $x + 9 \geq 12$
2.  $x + 5 < 8$
3.  $x + 8 > 15$
4.  $y + 3 \leq 12$
5.  $y + 6 \geq 13$
6.  $x - 5 \leq 8$
7.  $x - 7 \geq 5$
8.  $y - 4 < 3$
9.  $y - 8 < 5$
10.  $y - 9 > 8$
11.  $7 < x + 3$
12.  $3x \leq 12$
13.  $5x \geq 45$
14.  $9x < 27$
15.  $3.5y > 7$
16.  $1.9y \geq -9.5$
17.  $\frac{x}{2} > 10$
18.  $\frac{x}{3} \geq 4.5$
19.  $\frac{x}{5} < -1.3$
20.  $\frac{y}{4} \leq -1.2$
21.  $\frac{y}{7} < 0.5$
22.  $5x - 9 \leq 7x + 1$
23.  $3x + 2 \leq 5x - 4$
24.  $3x - 7 \geq 2x + 9$
25.  $5x - 3 \leq 3x + 11$
26.  $4x + 1 \leq 3x - 2$
27.  $4(3x + 1) < 2(x - 3)$
28.  $6(2x + 3) - 3(x - 2) > 6$
29.  $4(3x - 1) \leq 20(x - 1)$
30.  $5x - 4(3 + 2x) \geq 9$
31.  $5(3x - 2) > 3(4x - 1)$
32.  $2(x - 1) < 14$
33.  $3(x + 4) - 5(x - 6) < 7$
34.  $4(3x - 1) \leq 20(x - 1)$
35.  $\frac{2 + y}{3} \geq \frac{6}{7}$
36.  $\frac{2}{9}x + \frac{5}{2} > \frac{1}{3}x - \frac{1}{2}$
37.  $\frac{4x + 1}{5} - \frac{x - 3}{4} \geq x$
38.  $\frac{3x + 1}{4} < \frac{7x - 1}{5}$
39.  $\frac{5x - 3}{9} < \frac{2x + 1}{4}$
40.  $\frac{x + 3}{2} > \frac{2x - 5}{5}$