

For each of the following:

- a. Determine whether the inequality symbol means less than, greater than, less than or equal to, or greater than or equal to.
- b. Determine whether the graph has a closed circle or an open circle and whether the graph goes to the right or the left of that circle.
- c. Solve and graph the solution.

1.  $x - 3 > 12$

3.  $5 \geq 2y - 3$

5.  $-9 < 21 + 2m$

7.  $18 - 3y > 0$

9.  $2x - 3 < 4x + 5$

11.  $4(t - 2) > 5(t - 3)$

2.  $3y + 1 > 7$

4.  $12 + y \leq 24$

6.  $-6 \leq 6 - k$

8.  $1 + 3r \geq 5 - r$

10.  $21 - 15x < -8x - 7$

12.  $6(z - 5) \leq 15 + 5(7 - 2z)$