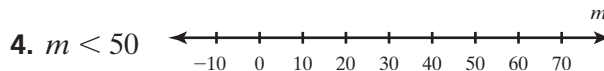
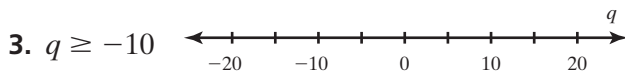
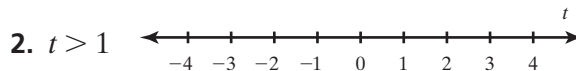
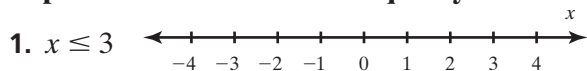


# Practice 3-1

## Graphing and Writing Inequalities

Graph the solution of each inequality on a number line.



For each inequality, tell whether the number in bold is a solution.

5.  $x < 7$ ; **7** \_\_\_\_\_

6.  $p > -3$ ; **3** \_\_\_\_\_

7.  $k \geq 5$ ; **0** \_\_\_\_\_

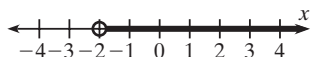
8.  $3z \leq 12$ ; **4** \_\_\_\_\_

9.  $n - 5 > 3$ ; **6** \_\_\_\_\_

10.  $2g + 8 \geq 3$ ; **-1** \_\_\_\_\_

Write an inequality for each graph.

11. \_\_\_\_\_

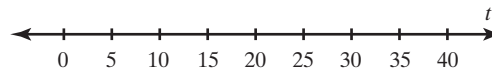


12. \_\_\_\_\_



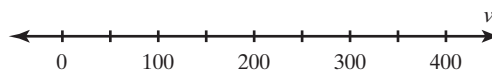
Write an inequality for each statement. Graph each solution on the number line shown.

13. You can walk there in 20 minutes or less.



\_\_\_\_\_

14. Each prize is worth over \$150.



\_\_\_\_\_

15. A species of catfish, *malapterurus electricus*, can generate up to 350 volts of electricity.

a. Write an inequality to represent the amount of electricity generated by the catfish.

\_\_\_\_\_

b. Draw a graph of the inequality you wrote in a.

