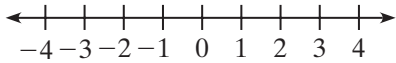


# Practice 6-5

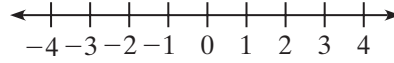
## Inequalities

Graph each inequality on a number line.

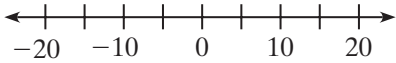
1.  $x \leq 3$



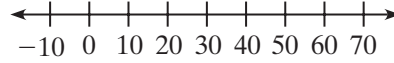
2.  $t < -1$



3.  $q \geq -10$



4.  $m < 50$



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

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

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

7.  $z \leq 12$ ; **4** \_\_\_\_\_

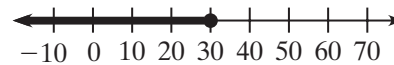
8.  $n > 3$ ; **6** \_\_\_\_\_

Write an inequality for each graph.

9. \_\_\_\_\_



10. \_\_\_\_\_



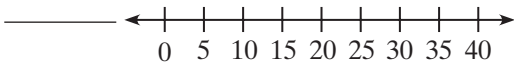
Write a real-world statement for each inequality.

11.  $d \geq 60$  \_\_\_\_\_

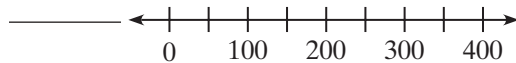
12.  $w \leq -10$  \_\_\_\_\_

Write and graph an inequality for each statement.

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 part (a).

