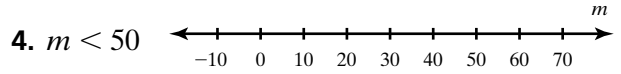
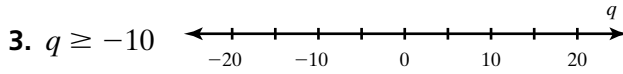
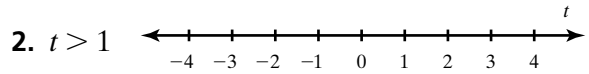
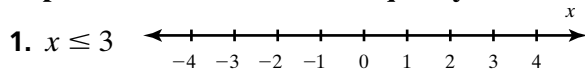


Practice 4-1

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** _____

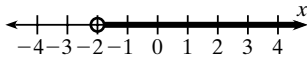
8. $3z \leq 12$; **4** _____

9. $n - 5 > 3$; **6** _____

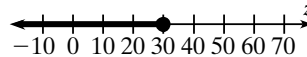
10. $2g + 8 \geq 3$; **-1** _____

Write an inequality for each graph.

11. _____

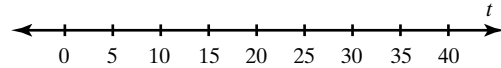


12. _____

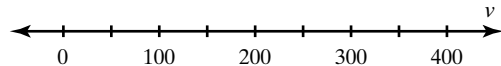


Write an inequality for each statement. Graph each solution on the number line shown.

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.

