

3.4

Practice A

For use with pages 138–142

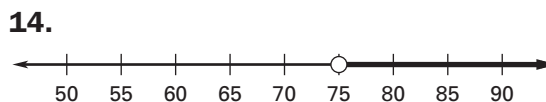
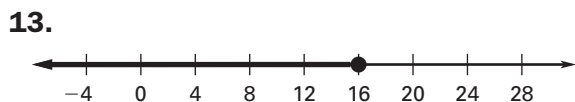
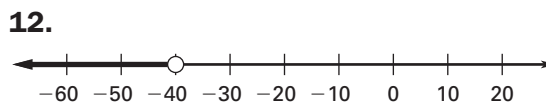
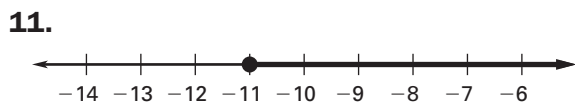
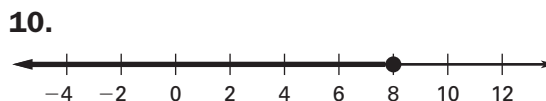
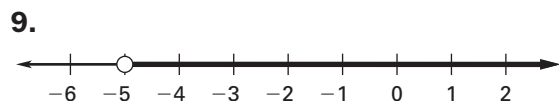
Tell whether the given number is a solution of $-8 \geq x$.

1. -8 2. 4 3. -12 4. 0

Write an inequality to represent the situation.

5. A boat must be at least 24 feet long.
 6. A golfer's longest drive is 325 yards.
 7. The maximum speed of a race car is 180 miles per hour.
 8. The lowest attendance for a concert is 580.

Write an inequality represented by the graph.



Solve the inequality. Graph your solution.

15. $x + 2 > 9$ 16. $-4 + x \leq 13$
 17. $-15 \geq x + 7$ 18. $-1 < x - 10$
 19. $x - 18 < 35$ 20. $x + 24 \geq 21$
 21. $x + 12 \leq -1$ 22. $x - 11 > -11$
 23. $30 + x < 16$ 24. $-19 + x \geq -6$
 25. $15 \leq x + 9$ 26. $-8 > x + 8$
 27. $x - 4 \geq 7.6$ 28. $x + 7.1 \leq 10.3$
 29. $x - 9.5 < 9.5$ 30. $14.3 > x + 12.7$
31. You have \$78 in your savings account. You are buying a computer and the minimum down payment you can make is \$120. Write and solve an inequality to represent the amount of money you need to reach or exceed the minimum down payment for the computer.