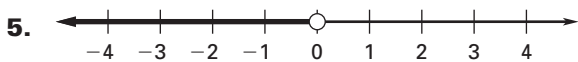
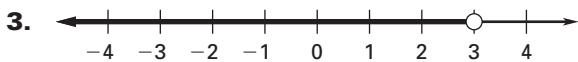
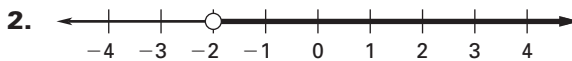


LESSON
5.1

Practice B

For use with the lesson "Solve Inequalities Using Addition and Subtraction"

Write an inequality that is represented by the graph.



Solve the inequality. Graph your solution.

7. $x + 7 > 1$



8. $n - 3 \leq 9$



9. $10 \geq a + 7$



10. $m - 3 < -2$



11. $p - 5 > -5$



12. $x + 3 \leq -4.5$



13. $b + 9.5 \leq -6.4$



14. $y + 2.5 < 7.3$



15. $z - 10.2 > 18.3$



16. $d - 8 > 2.2$



Write the verbal sentence as an inequality. Then solve the inequality and graph your solution.

17. The sum of 15 and n is less than 8.



LESSON
5.1
Practice B *continued*
For use with the lesson "Solve Inequalities Using Addition and Subtraction"

18. The difference of m and 3 is greater than or equal to 10.



19. Twenty-four is less than or equal to the sum of 35 and x .



20. Eighty-five is greater than the difference of x and 63.



21. **Summer Reading** During the summer you want to read at least 32 books. You have read 21 books so far this summer. What are the possible numbers of books you can read to pass your goal?

22. **Baseball Hats** You are a big baseball fan. You have a goal of attending a baseball game in every major league stadium in the country. Every time you go to a different stadium, you buy a baseball hat. You keep your hats in a display case that holds 25 hats. You have 8 baseball hats so far. What are the possible numbers of hats you can collect without needing another display case?

23. **Gift Card** You received a \$25 gift card to a sporting goods store for your birthday. You are looking at skateboards and want to spend no more than \$85 of your own money.

- Write and solve an inequality to find the prices p in dollars of skateboards you can buy.
- What is the most expensive skateboard you can buy?

24. **Video Games** You and your friend are having a video game competition. The person with the highest score after two games wins. The table shows your friend's first and second scores and your first score.

Game	Friend's score	Your score
1	6532	5034
2	4887	?

- Write and solve an inequality to find the scores s that you can earn in your second game in order to beat your friend.
- Will you win if you earn 6392 points? 6385 points? 6377 points? *Justify* your answers.