

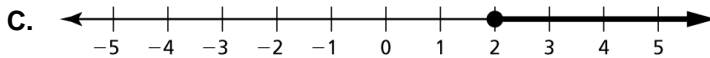
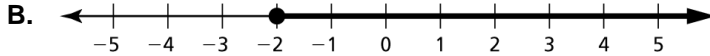
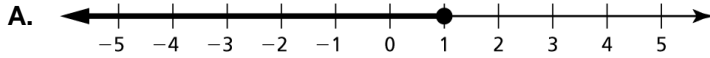
2.4 Practice A

In Exercises 1–3, match the inequality with its graph.

1. $6y - 5 \geq 7$

2. $3m + 5 \leq 8$

3. $-4x + 3 \leq 11$



In Exercises 4–9, solve the inequality. Graph the solution.

4. $3x - 4 < 2$

5. $4t + 11 \geq 7$

6. $-6 \geq 9 - 5y$

7. $5 < -2t - 3$

8. $\frac{k}{3} + 6 < 7$

9. $2 + \frac{p}{2} \geq 7$

In Exercises 10–17, solve the inequality.

10. $5 - 4n < 8 - 5n$

11. $5k - 7 \geq 5k + 8$

12. $-3n - 4 > 4n + 10$

13. $7 + 9y < 19 - 3y$

14. $9w - 4w + 6 \geq 1 + 5w$

15. $4k - 6 < 3k + k - 1$

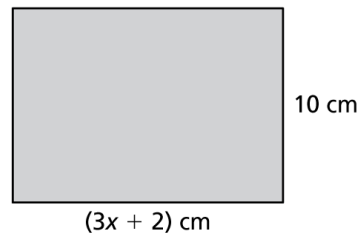
16. $8(x - 3) > 4(2x - 6)$

17. $9(p + 2) \leq 3(3p - 5)$

18. The area of the rectangle shown is at most 140 square centimeters.

a. Write and solve an inequality to find the possible values of x .

b. Based on the answer in part (a), is it possible for the rectangle to have a length of 15 centimeters? Explain.



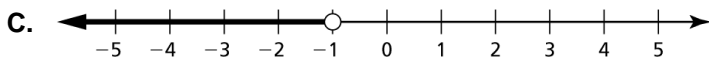
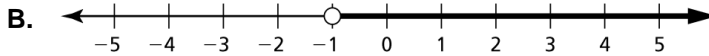
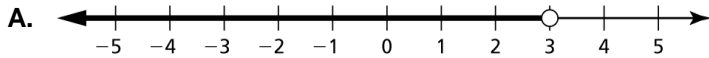
2.4 Practice B

In Exercises 1–3, match the inequality with its graph.

1. $5(4 - y) < 25$

2. $-9k + 5 > 14$

3. $2(x - 7) < -8$



In Exercises 4–9, solve the inequality. Graph the solution.

4. $6 < -5t - 4$

5. $\frac{m}{4} + 2 < 3$

6. $5 + \frac{k}{-2} \geq 2$

7. $\frac{d}{-6} + 7 < 11$

8. $4 < -2(y + 3)$

9. $24 \geq 6(w - 2)$

In Exercises 10–15, solve the inequality.

10. $-5n - 4 > 7n + 20$

11. $4k - 6 < 3k + k - 1$

12. $10h - 3h + 6 \geq 11 + 7h$

13. $6(t - 1) \leq 2(3t - 5)$

14. $12(x - 2) > 3(4x - 8)$

15. $6\left(\frac{1}{3}d + 4\right) > 2(d + 12)$

16. You must maintain a minimum balance of \$50 in your checking account. You currently have a balance of \$280.

- Write and solve an inequality that represents how many \$20 bills you can withdraw from the account without going below the minimum balance.
- Your bank charges an ATM fee of \$2.50, which is charged each time you withdraw \$20. Write and solve an inequality that represents how many \$20 bills you can withdraw from the account without going below the minimum balance in this situation.