

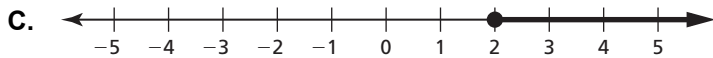
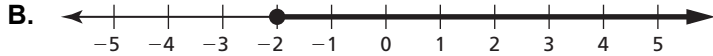
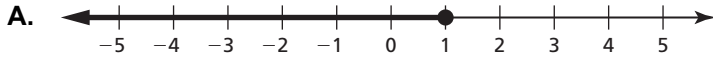
## 2.4 Practice A

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.

