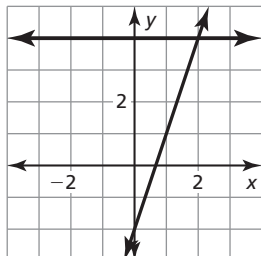


5.5

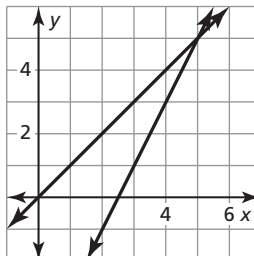
Practice A

In Exercises 1 and 2, use the graph to solve the equation. Check your solution.

1. $3x - 2 = 4$



2. $x = 2x - 5$



In Exercises 3–6, solve the equation by graphing. Check your solution.

3. $x - 6 = 3x$

4. $-x = x - 4$

5. $x - 4 = -2x + 2$

6. $\frac{1}{3}x + 1 = x - 3$

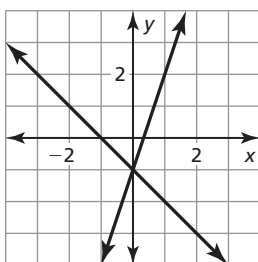
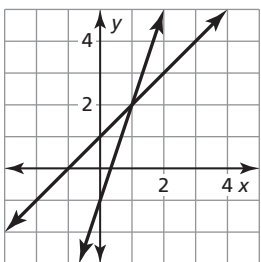
In Exercises 7 and 8, solve the equation by graphing. Determine whether the equation has *one solution*, *no solution*, or *infinitely many solutions*.

7. $4x + 3 = 4x - 2$

8. $3x + 6 = 3(x + 2)$

9. Use the graphs to solve the equation. Check your solutions.

$$|3x - 1| = |x + 1|$$



In Exercises 10 and 11, solve the equation by graphing. Check your solutions.

10. $|x + 6| = |-2x|$

11. $|x + 1| = |2x - 4|$

12. You need to rent a bowling lane. On Friday nights, you have two options. Option A is a \$20 lane rental plus \$3 per game. Option B is a \$35 lane rental with a maximum of 10 games. For what number of games is the total cost the same for each option?