

**WARM-UP EXERCISES**

For use before Lesson 7.4, pages 418–424

1. Solve the linear system using substitution.

$$2x - y = 7$$

$$3x + 3y = -3$$

2. Solve the linear system using the graph-and-check method.

$$y = x$$

$$y = -2x + 3$$

3. Solve the linear system using linear combinations.

$$-3x + 4y = -4$$

$$3x - 6y = 6$$

**DAILY HOMEWORK QUIZ**

For use after Lesson 7.3, pages 411–417

**Solve the system.**

1.  $-3x + 5y = -7$

$$3x - 8y = 1$$

2.  $7m + n = -2$

$$3m + n = 2$$

3.  $8e - 3f = 12$

$$2e + 7f = -28$$

4.  $10g + 3h = 10$

$$-12g - 6h = -24$$

5.  $5p = 1 + 3q$

$$-4p + 6q = 10$$

6.  $5x + 9y = -\frac{17}{5}$

$$2x - 7y = 5$$

7. Two toy robots are placed on a coordinate grid. Both are moving down from the x-axis. One is traveling along the line
- $x + 2y = \frac{2}{7}$
- , and the other is traveling along the line
- $x = -\frac{12}{5}y$
- .

At what point will the robots meet?