

Name : \_\_\_\_\_

Score : \_\_\_\_\_ Date : \_\_\_\_\_

## Solving Systems by Elimination

Solve each system by elimination.

$$\begin{array}{l} \textcircled{1} \quad 5x - 8y = 1 \\ \quad 3x + 4y = -1 \end{array}$$

$$\begin{array}{l} \textcircled{2} \quad x - y = 1 \\ \quad -4x + 3y = 5 \end{array}$$

$$\begin{array}{l} \textcircled{3} \quad 3x - 2y = 6 \\ \quad 5x - 5y = 10 \end{array}$$

$$\begin{array}{l} \textcircled{4} \quad -2x - 9y = -25 \\ \quad -4x - 9y = -23 \end{array}$$

$$\begin{array}{l} \textcircled{5} \quad x + y = 58 \\ \quad 2x + 4y = 168 \end{array}$$

$$\begin{array}{l} \textcircled{6} \quad 3x + y = 11 \\ \quad 9x + 2y = 28 \end{array}$$

$$\begin{array}{l} \textcircled{7} \quad 5x + y = 9 \\ \quad 10x - 7y = -18 \end{array}$$

$$\begin{array}{l} \textcircled{8} \quad 2x + 3y = 15 \\ \quad x - 3y = 3 \end{array}$$

Name : \_\_\_\_\_

Score : \_\_\_\_\_ Date : \_\_\_\_\_

## Solving Systems by Elimination

### Answers

$$\begin{array}{l} \textcircled{1} \quad 5x - 8y = 1 \\ \quad 3x + 4y = -1 \end{array}$$

$$x = -\frac{1}{11}, y = -\frac{2}{11}$$

$$\begin{array}{l} \textcircled{2} \quad x - y = 1 \\ \quad -4x + 3y = 5 \end{array}$$

$$x = -8, y = -9$$

$$\begin{array}{l} \textcircled{3} \quad 3x - 2y = 6 \\ \quad 5x - 5y = 10 \end{array}$$

$$x = 2, y = 0$$

$$\begin{array}{l} \textcircled{4} \quad -2x - 9y = -25 \\ \quad -4x - 9y = -23 \end{array}$$

$$x = -1, y = 3$$

$$\begin{array}{l} \textcircled{5} \quad x + y = 58 \\ \quad 2x + 4y = 168 \end{array}$$

$$x = 32, y = 26$$

$$\begin{array}{l} \textcircled{6} \quad 3x + y = 11 \\ \quad 9x + 2y = 28 \end{array}$$

$$x = 2, y = 5$$

$$\begin{array}{l} \textcircled{7} \quad 5x + y = 9 \\ \quad 10x - 7y = -18 \end{array}$$

$$x = 1, y = 4$$

$$\begin{array}{l} \textcircled{8} \quad 2x + 3y = 15 \\ \quad x - 3y = 3 \end{array}$$

$$x = 6, y = 1$$