

**Unit 2 Solving Systems by Elimination**

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

Solve each of the following systems using the elimination method.

1. 
$$2x - 3y = 9$$
$$3x + 4y = 5$$

2. 
$$-3x + 4y = -8$$
$$3x + y = -17$$

Solve each of the following systems using the elimination method.

3. 
$$4x - 2y = 6$$
$$-6x + 3y = -9$$

4. 
$$2x - 2y = 4$$
$$6x + 5y = 3$$

5.  $-6x - 3y = 9$   
 $10x + 5y = 4$

6.  $2y + 4x = 3$   
 $3x = y + 4$

Solve each of the following systems using the substitution method.

7.  $y = 2x + 5$   
 $3x + 2y = -4$

8.  $2x - 3y = 6$   
 $x = 3y$

9.  $y = 3x + 8$

$$y = 4 + x$$

10.  $4x + 2y = 4$

$$x - 3y = 15$$

Solve each of the following systems using the substitution method.

11.  $x = 2y - 1$

$$2x - 4y = -2$$

12.  $2x - 2y = 3$

$$y = x - 5$$