

## Solving Systems of Equations by Substitution

Date\_\_\_\_\_ Period\_\_\_\_

**Solve each system by substitution.**

1)  $y = 7x - 10$   
 $y = -3$

2)  $y = -8$   
 $y = -2x - 12$

3)  $y = 6x$   
 $y = 5x + 7$

4)  $y = 9x - 9$   
 $y = 9$

5)  $y = -4$   
 $y = x - 8$

6)  $y = 8x - 9$   
 $y = 7$

7)  $y = 6x - 14$   
 $y = -8x$

8)  $y = 2x - 15$   
 $y = 5x$

$$9) \begin{aligned} y &= -8x \\ 2x + 4y &= 0 \end{aligned}$$

$$10) \begin{aligned} 6x + 7y &= 20 \\ y &= 2x \end{aligned}$$

$$11) \begin{aligned} -3x - 5y &= 6 \\ y &= -3 \end{aligned}$$

$$12) \begin{aligned} 6x - 5y &= 22 \\ y &= -8 \end{aligned}$$

$$13) \begin{aligned} y &= 2x \\ 3x + 3y &= -18 \end{aligned}$$

$$14) \begin{aligned} y &= 8x \\ -5x - 5y &= 0 \end{aligned}$$

$$15) \begin{aligned} y &= -3 \\ -5x - 3y &= 14 \end{aligned}$$

$$16) \begin{aligned} y &= 3x \\ -3x - y &= -24 \end{aligned}$$

## Solving Systems of Equations by Substitution

Date\_\_\_\_\_ Period\_\_\_\_

**Solve each system by substitution.**

1)  $y = 7x - 10$   
 $y = -3$

(1, -3)

2)  $y = -8$   
 $y = -2x - 12$

(-2, -8)

3)  $y = 6x$   
 $y = 5x + 7$

(7, 42)

4)  $y = 9x - 9$   
 $y = 9$

(2, 9)

5)  $y = -4$   
 $y = x - 8$

(4, -4)

6)  $y = 8x - 9$   
 $y = 7$

(2, 7)

7)  $y = 6x - 14$   
 $y = -8x$

(1, -8)

8)  $y = 2x - 15$   
 $y = 5x$

(-5, -25)

$$9) \begin{aligned} y &= -8x \\ 2x + 4y &= 0 \end{aligned}$$

(0, 0)

$$10) \begin{aligned} 6x + 7y &= 20 \\ y &= 2x \end{aligned}$$

(1, 2)

$$11) \begin{aligned} -3x - 5y &= 6 \\ y &= -3 \end{aligned}$$

(3, -3)

$$12) \begin{aligned} 6x - 5y &= 22 \\ y &= -8 \end{aligned}$$

(-3, -8)

$$13) \begin{aligned} y &= 2x \\ 3x + 3y &= -18 \end{aligned}$$

(-2, -4)

$$14) \begin{aligned} y &= 8x \\ -5x - 5y &= 0 \end{aligned}$$

(0, 0)

$$15) \begin{aligned} y &= -3 \\ -5x - 3y &= 14 \end{aligned}$$

(-1, -3)

$$16) \begin{aligned} y &= 3x \\ -3x - y &= -24 \end{aligned}$$

(4, 12)