

## Systems of Equations

 **Solve each system of equations.**

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

$$\begin{array}{l} 2) -10x + 2y = -6 \\ 6x - 16y = 48 \end{array} \quad \begin{array}{l} x = \_\_\_\_ \\ y = \_\_\_\_ \end{array}$$

$$\begin{array}{l} 3) y = -8 \\ 16x - 12y = 32 \end{array} \quad \begin{array}{l} x = \_\_\_\_ \\ y = \_\_\_\_ \end{array}$$

$$\begin{array}{l} 4) 2y = -6x + 10 \\ 10x - 8y = -6 \end{array} \quad \begin{array}{l} x = \_\_\_\_ \\ y = \_\_\_\_ \end{array}$$

$$\begin{array}{l} 5) 10x - 9y = -13 \\ -5x + 3y = 11 \end{array} \quad \begin{array}{l} x = \_\_\_\_ \\ y = \_\_\_\_ \end{array}$$

$$\begin{array}{l} 6) -3x - 4y = 5 \\ x - 2y = 5 \end{array} \quad \begin{array}{l} x = \_\_\_\_ \\ y = \_\_\_\_ \end{array}$$

$$\begin{array}{l} 7) 5x - 14y = -23 \\ -6x + 7y = 8 \end{array} \quad \begin{array}{l} x = \_\_\_\_ \\ y = \_\_\_\_ \end{array}$$

$$\begin{array}{l} 8) 10x - 14y = -4 \\ -10x - 20y = -30 \end{array} \quad \begin{array}{l} x = \_\_\_\_ \\ y = \_\_\_\_ \end{array}$$

$$\begin{array}{l} 9) -4x + 12y = 12 \\ -14x + 16y = -10 \end{array} \quad \begin{array}{l} x = \_\_\_\_ \\ y = \_\_\_\_ \end{array}$$

$$\begin{array}{l} 10) x + 20y = 56 \\ x + 15y = 41 \end{array} \quad \begin{array}{l} x = \_\_\_\_ \\ y = \_\_\_\_ \end{array}$$

$$\begin{array}{l} 11) 6x - 7y = -8 \\ -x - 4y = -9 \end{array} \quad \begin{array}{l} x = \_\_\_\_ \\ y = \_\_\_\_ \end{array}$$

$$\begin{array}{l} 12) -3x + 2y = -18 \\ 8x - 2y = 28 \end{array} \quad \begin{array}{l} x = \_\_\_\_ \\ y = \_\_\_\_ \end{array}$$

$$\begin{array}{l} 13) -5x + y = -3 \\ 3x - 8y = 24 \end{array} \quad \begin{array}{l} x = \_\_\_\_ \\ y = \_\_\_\_ \end{array}$$

$$\begin{array}{l} 14) 3x - 2y = 2 \\ 5x - 5y = 10 \end{array} \quad \begin{array}{l} x = \_\_\_\_ \\ y = \_\_\_\_ \end{array}$$

$$\begin{array}{l} 15) 8x + 14y = 4 \\ -6x - 7y = -10 \end{array} \quad \begin{array}{l} x = \_\_\_\_ \\ y = \_\_\_\_ \end{array}$$

$$\begin{array}{l} 16) 10x + 7y = 1 \\ -5x - 7y = 24 \end{array} \quad \begin{array}{l} x = \_\_\_\_ \\ y = \_\_\_\_ \end{array}$$



**Answers*****Systems of Equations***

1)  $x = -1, y = 1$

2)  $x = 0, y = -3$

3)  $x = -4$

4)  $x = 1, y = 2$

5)  $x = -4, y = -3$

6)  $x = 1, y = -2$

7)  $x = 1, y = 2$

8)  $x = 1, y = 1$

9)  $x = 3, y = 2$

10)  $x = -4, y = 3$

11)  $x = 1, y = 2$

12)  $x = 2, y = -6$

13)  $x = 0, y = -3$

14)  $x = -2, y = -4$

15)  $x = 4, y = -2$

16)  $x = 5, y = -7$

