

Name: _____

Date: _____

Systems of Equations**Solve each system of equations.**

$$\begin{aligned} 1) \quad & 8x + 14y = 4 \\ & -6x - 7y = -10 \\ & x = \underline{\quad\quad} \quad y = \underline{\quad\quad} \end{aligned}$$

$$\begin{aligned} 2) \quad & -10x + 2y = -6 \\ & 6x - 16y = 48 \\ & x = \underline{\quad\quad} \quad y = \underline{\quad\quad} \end{aligned}$$

$$\begin{aligned} 3) \quad & -5x + y = -3 \\ & 3x - 8y = 24 \\ & x = \underline{\quad\quad} \quad y = \underline{\quad\quad} \end{aligned}$$

$$\begin{aligned} 4) \quad & 6x - 7y = -8 \\ & -x - 4y = -9 \\ & x = \underline{\quad\quad} \quad y = \underline{\quad\quad} \end{aligned}$$

$$\begin{aligned} 5) \quad & 10x + 7y = 1 \\ & -5x - 7y = 24 \\ & x = \underline{\quad\quad} \quad y = \underline{\quad\quad} \end{aligned}$$

$$\begin{aligned} 6) \quad & -2x + 2y = 4 \\ & -2x + y = 3 \\ & x = \underline{\quad\quad} \quad y = \underline{\quad\quad} \end{aligned}$$

$$\begin{aligned} 7) \quad & y = -8 \\ & 16x - 12y = 32 \\ & x = \underline{\quad\quad} \end{aligned}$$

$$\begin{aligned} 8) \quad & 10x - 9y = -13 \\ & -5x + 3y = 11 \\ & x = \underline{\quad\quad} \quad y = \underline{\quad\quad} \end{aligned}$$

$$\begin{aligned} 9) \quad & 2y = -6x + 10 \\ & 10x - 8y = -6 \\ & x = \underline{\quad\quad} \quad y = \underline{\quad\quad} \end{aligned}$$

$$\begin{aligned} 10) \quad & x + 20y = 56 \\ & x + 15y = 41 \\ & x = \underline{\quad\quad} \quad y = \underline{\quad\quad} \end{aligned}$$



1) $8x + 14y = 4$
 $-6x - 7y = -10$
 $x = \underline{\quad\quad} \quad y = \underline{\quad\quad}$

$x = 4, y = -2$

2) $-10x + 2y = -6$
 $6x - 16y = 48$
 $x = \underline{\quad\quad} \quad y = \underline{\quad\quad}$

$x = 0, y = -3$

3) $-5x + y = -3$
 $3x - 8y = 24$
 $x = \underline{\quad\quad} \quad y = \underline{\quad\quad}$

$x = 0, y = -3$

4) $6x - 7y = -8$
 $-x - 4y = -9$
 $x = \underline{\quad\quad} \quad y = \underline{\quad\quad}$

$x = 1, y = 2$

5) $10x + 7y = 1$
 $-5x - 7y = 24$
 $x = \underline{\quad\quad} \quad y = \underline{\quad\quad}$

$x = 5, y = -7$

6) $-2x + 2y = 4$
 $-2x + y = 3$
 $x = \underline{\quad\quad} \quad y = \underline{\quad\quad}$

$x = -1, y = 1$

7) $y = -8$
 $16x - 12y = 32$
 $x = \underline{\quad\quad}$

$x = -4$

8) $10x - 9y = -13$
 $-5x + 3y = 11$
 $x = \underline{\quad\quad} \quad y = \underline{\quad\quad}$

$x = -4, y = -3$

9) $2y = -6x + 10$
 $10x - 8y = -6$
 $x = \underline{\quad\quad} \quad y = \underline{\quad\quad}$

$x = 1, y = 2$

10) $x + 20y = 56$
 $x + 15y = 41$
 $x = \underline{\quad\quad} \quad y = \underline{\quad\quad}$

$x = -4, y = 3$