

SYSTEMS OF EQUATIONS: ELIMINATION #1

Use elimination to solve each system of equations.

1.
$$\begin{aligned}x + 4y &= 10 \\ -x + 6y &= 10\end{aligned}$$

(2 , 2)

2.
$$\begin{aligned}9x + 2y &= 25 \\ x - 2y &= -15\end{aligned}$$

(1 , 8)

3.
$$\begin{aligned}2x - 2y &= -6 \\ 2x + 5y &= 22\end{aligned}$$

(1 , 4)

4.
$$\begin{aligned}3x - y &= 10 \\ 5x + y &= 14\end{aligned}$$

(3 , -1)

5.
$$\begin{aligned}3x + 3y &= -12 \\ 3x + 10y &= 2\end{aligned}$$

(-6 , 2)

6.
$$\begin{aligned}-x + 4y &= 11 \\ -2x + 4y &= 2\end{aligned}$$

(9 , 5)

7.
$$\begin{aligned}3x - 9y &= 3 \\ x + 2y &= 16\end{aligned}$$

(10 , 3)

8.
$$\begin{aligned}2x + 3y &= 7 \\ 3x - 6y &= 21\end{aligned}$$

(5 , -1)

9.
$$\begin{aligned}9x + y &= -4 \\ 3x - 5y &= 20\end{aligned}$$

(0 , -4)

10.
$$\begin{aligned}2x - 3y &= 24 \\ 3x + 2y &= -3\end{aligned}$$

(3 , -6)

11.
$$\begin{aligned}4x - 2y &= -2 \\ -3x + 5y &= 19\end{aligned}$$

(2 , 5)

12.
$$\begin{aligned}9x + 7y &= 2 \\ 2x + 8y &= -6\end{aligned}$$

(1 , -1)