

Elimination Assignment

Block _____

Check if (3, 1) is a solution to the system? Show all your work for verifying each equation.

$$\begin{aligned} 1) \quad x - 2y &= 5 \\ -x - 4y &= 1 \end{aligned}$$

$$\begin{aligned} 2) \quad -x + 3y &= 0 \\ 6x - 3y &= 15 \end{aligned}$$

Solve each system using elimination method.

$$\begin{aligned} 3) \quad -3x - 5y &= -13 \\ -3x - 6y &= -15 \end{aligned}$$

$$\begin{aligned} 4) \quad 4x - 9y &= 8 \\ -x - 3y &= -2 \end{aligned}$$

$$5) -2x - 6 = 5y$$

$$\frac{5}{6}x = 1 - \frac{1}{3}y$$

$$6) -54 + 9x - 18y = 0$$

$$8y - 4x = -16$$