

Substitution Assignment

Block _____

Is (2, -3) a solution to the system? Show work for verification or check of each equation.

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

$$\begin{aligned} 2) \quad & 6x + 8y = -12 \\ & x - 6y = 20 \end{aligned}$$

Solve the following systems by substitution method.

$$\begin{aligned} 3) \quad & y = -2x - 1 \\ & 5x + 2y = -6 \end{aligned}$$

$$\begin{aligned} 4) \quad & -x + 2y = -13 \\ & -3x + y = -4 \end{aligned}$$

$$\begin{aligned} 5) \quad & -7x + 5y = -14 \\ & 7x - 2y = -7 \end{aligned}$$

$$\begin{aligned} 6) \quad & -3x - 3y = -15 \\ & y = -1 \end{aligned}$$