

Review: Solving Systems of Equations - Substitution Method

Solve each System by the Substitution Method. Check.

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

$$\begin{aligned} 2) \quad 2x + 4y &= 12 \\ x + y &= 2 \end{aligned}$$

$$\begin{aligned} 3) \quad x + 2y &= 8 \\ y - 2x &= -6 \end{aligned}$$

$$\begin{aligned} 4) \quad 4x - y &= -5 \\ 3x + 2y &= -1 \end{aligned}$$

$$\begin{aligned} 5) \quad 2x + y &= -1 \\ 3x + 3y &= 9 \end{aligned}$$

$$\begin{aligned} 6) \quad 2x + 5y &= -11 \\ 4x + 2y &= -14 \end{aligned}$$

Answers:

$$1) \quad (-1, -1)$$

$$2) \quad (-2, 4)$$

$$3) \quad (4, 2)$$

$$4) \quad (-1, 1)$$

$$5) \quad (-4, 7)$$

$$6) \quad (-3, -1)$$

* did you check your sol'ns ???