

Solving a System of Equations by Substitution

Date _____

Solve each system by substitution.

$$\begin{aligned} 1) \quad & 4x - 6y = -2 \\ & y = 2x + 3 \end{aligned}$$

$$\begin{aligned} 2) \quad & 2x - 4y = -14 \\ & y = -6x - 16 \end{aligned}$$

$$\begin{aligned} 3) \quad & -3x + y = 17 \\ & 4x - 5y = 3 \end{aligned}$$

$$\begin{aligned} 4) \quad & 2x + y = -12 \\ & 4x - 3y = 16 \end{aligned}$$

$$\begin{aligned} 5) \quad & -4x + 8y = -12 \\ & -x + 7y = -3 \end{aligned}$$