

Systems with 2 Variables HW #6

Date _____ Period _____

Solve each system by elimination.

$$\begin{aligned} 1) \quad & 6x - 4y = -12 \\ & -6x - 5y = -15 \end{aligned}$$

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

$$\begin{aligned} 3) \quad & x - 6y = -8 \\ & x + 4y = -8 \end{aligned}$$

$$\begin{aligned} 4) \quad & -3x - 7y = 1 \\ & -9x - 14y = -25 \end{aligned}$$

$$\begin{aligned} 5) \quad & -14x - 2y = 16 \\ & 7x - 3y = -4 \end{aligned}$$

$$\begin{aligned} 6) \quad & x - y = 1 \\ & -7x + 5y = -3 \end{aligned}$$

Solve each system by substitution.

$$\begin{array}{l} 7) \ y = 3 \\ \quad 4x - 5y = 17 \end{array}$$

$$\begin{array}{l} 8) \ 3x + 5y = 5 \\ \quad y = x - 7 \end{array}$$

$$\begin{array}{l} 9) \ -6x - 2y = 6 \\ \quad y = 0 \end{array}$$

$$\begin{array}{l} 10) \ -5x + 4y = -10 \\ \quad y = -5x - 15 \end{array}$$

$$\begin{array}{l} 11) \ 3x + y = 6 \\ \quad -6x - 3y = -12 \end{array}$$

$$\begin{array}{l} 12) \ 2x - y = 17 \\ \quad x + 6y = -11 \end{array}$$