

HW #8 Solving Systems by Elimination

Date _____

Solve each system by elimination.

1)
$$\begin{aligned} -7x + y &= -29 \\ 7x + 5y &= 23 \end{aligned}$$

2)
$$\begin{aligned} 3x - 6y &= -12 \\ -3x + 7y &= 15 \end{aligned}$$

3)
$$\begin{aligned} -4x - 5y &= 7 \\ -2x - 5y &= 11 \end{aligned}$$

4)
$$\begin{aligned} -2x + 9y &= -21 \\ -2x - 2y &= 12 \end{aligned}$$

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

6)
$$\begin{aligned} 9x - 16y &= 6 \\ -6x + 8y &= 12 \end{aligned}$$

$$\begin{aligned} 7) \quad & 3x + 7y = -1 \\ & 2x + 10y = 10 \end{aligned}$$

$$\begin{aligned} 8) \quad & -8x - 2y = 4 \\ & -7x + 5y = 17 \end{aligned}$$

$$\begin{aligned} 9) \quad & -9x - 2y = 25 \\ & 8x + 5y = -19 \end{aligned}$$

$$\begin{aligned} 10) \quad & -9x + 5y = 19 \\ & -10x - 4y = 2 \end{aligned}$$