

Elimination Multiplication HW

Date _____ Period _____

Solve each system by elimination.

1)
$$\begin{aligned} 3x + 16y &= 11 \\ -2x + 8y &= 30 \end{aligned}$$

2)
$$\begin{aligned} -4x - 2y &= 28 \\ -2x + 10y &= -8 \end{aligned}$$

3)
$$\begin{aligned} -5x - 2y &= 7 \\ -x + y &= 0 \end{aligned}$$

4)
$$\begin{aligned} 9x - 14y &= -26 \\ -3x + 7y &= 4 \end{aligned}$$

5)
$$\begin{aligned} -5x - 12y &= 0 \\ -10x - 4y &= 0 \end{aligned}$$

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

7)
$$\begin{aligned} -2x - 9y &= -20 \\ 4x + 18y &= 30 \end{aligned}$$

8)
$$\begin{aligned} -7x - 8y &= -19 \\ 3x - 4y &= 23 \end{aligned}$$

9)
$$\begin{aligned} -3x - 9y &= 9 \\ -2x - 3y &= 12 \end{aligned}$$

10)
$$\begin{aligned} -9x - 8y &= 20 \\ x - y &= 11 \end{aligned}$$

11)
$$\begin{aligned} -7x + 7y &= -7 \\ 6x - 8y &= 2 \end{aligned}$$

12)
$$\begin{aligned} 8x + 5y &= -15 \\ 9x + 6y &= -15 \end{aligned}$$

13)
$$\begin{aligned} -10x + 35y &= -30 \\ -6x + 21y &= -18 \end{aligned}$$

14)
$$\begin{aligned} 9x + 5y &= -18 \\ -8x + 4y &= 16 \end{aligned}$$

15)
$$\begin{aligned} -2x + 4y &= 12 \\ -3x + 7y &= 18 \end{aligned}$$