

Wisdom Lane Middle School
Name: _____
Teacher: Mr. Tomeo

Homework #66

Date: _____
Period: _____

Systems of Equations (Elimination 2)

When using elimination we may need to multiply **one** or **both equations** by some number to help eliminate. For each of the following **systems of equations** use the **method of elimination** to find the solution.

1.
$$\begin{aligned} -4x - 15y &= -17 \\ -x + 5y &= -13 \end{aligned}$$

5.
$$\begin{aligned} -x - 7y &= 14 \\ -4x - 14y &= 28 \end{aligned}$$

2.
$$\begin{aligned} 7x + 2y &= 24 \\ 8x + 2y &= 30 \end{aligned}$$

6.
$$\begin{aligned} 3x - 2y &= 2 \\ 5x - 5y &= 10 \end{aligned}$$

3.
$$\begin{aligned} y - 7x &= -19 \\ 3y - 2x &= -19 \end{aligned}$$

7.
$$\begin{aligned} 5x + 4y &= -14 \\ 3x + 6y &= 6 \end{aligned}$$

4.
$$\begin{aligned} 8x + 14y &= 4 \\ -6x - 7y &= -10 \end{aligned}$$

8.
$$\begin{aligned} 2x + 8y &= 6 \\ -5x - 20y &= -15 \end{aligned}$$