

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

Homework #64

Date: _____
Period: _____

Systems of Equations (Substitution 2)

• The **solution** to a **system of linear equations** is the **point of intersection** of the two graphs. For each of the following **systems of equations** use the **method of substitution** to find the solution.

1. $y = 3x - 4$
 $4x + 3y = 1$

5. $x - 5y = 12$
 $x = 9y$

2. $y = x - 4$
 $-4x - 6y = -16$

6. $y = -6$
 $3x - 6y = 30$

3. $2x + 4y = 12$
 $x = 3y + 1$

7. $y = x + 5$
 $y = -2x - 4$

4. $x = y - 4$
 $3y - 2x = 6$

8. $y = x + 4$
 $3x - 4y = -19$