**Name: Date:**

**Chapter 6 – Solving Systems by Elimination**

**Advanced Algebra**

We are going to look into the elimination method. The key step in this method is to obtain, for one of the variables, coefficients that differ only in sign so that \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ the equations eliminates one of the variables.

🡪 Equation #1

🡪 Equation #2

By adding the two equations, you eliminate the variable and obtain a single equation in . Then you can use that value and substitute into one of the original equations to solve for .

Elimination Method

Example 1: Solve the system of linear equations using elimination.

Example #2: Solve the system of linear equations using elimination.

Example #3: Solve the system of linear equations using elimination.

Example #4: Solve the system of linear equations using elimination.

Example #5: Solve the system of linear equations using elimination.

**Practice:**

**Solve each of the following using the elimination method.**

1. ** 2. **

**3.**  **4. **