**SYSTEMS OF EQUATIONS**

**Method of Elimination**

Given a system of equations, we can quickly solve using the method of *elimination*. The idea behind this method is to completely eliminate (or cancel out) one of the variables. Here’s how:

Example: Solve the system using elimination: 

1) ***Choose*** a variable to eliminate. Does it matter which one we choose?

2) ***Multiply*** one *or* both equations by a value to make the coefficients of that variable *opposites*.

3) ***Add*** the two equations together using column addition.

4) ***Solve*** for the remaining variable.

5) ***Substitute*** the value found back into an original equation to find the remaining variable value.

6) ***Check*** your solution, if necessary.