

Method of Substitution

- Solve one of the equations for one variable
 - Strategy: Choose a variable that has a coefficient of one.
- Substitute into the other equation.
- Put the solution into either of the two equations to find the other variable.
- Check the solution by putting the ordered pair into each equation and checking if it satisfies both equations.
- Be sure to write the solution as an ordered pair.



Method of Elimination or Addition

- Write each equation in general form:
 $Ax + By = C$
- Decide which variable is to be eliminated
Strategy: Choose the set that are opposite in sign
- Multiply each variable so that each variable is the same (except the sign)
Find the common denominator and multiply by the appropriate factor
- Add the two equations and solve for the remaining variable
- Put the solution into either of the two equations to find the other variable.
- Check
- Be sure to write the solution as an ordered pair.