

The Substitution Method (for Solving a Linear System in Two Variables)

Use this method when it is easy to isolate one of the variables in one of the equations.

1. Solve one of the equations for one variable in terms of the other.
Choose the equation that is easiest to solve for x or y .
2. Substitute into the other equation to get an equation in one variable.
3. Solve for the remaining variable (if possible).
4. Insert the value just found into one of the **original** equations to find the value of the other variable.
5. Check the two values in both equations.