

Solving Systems of Linear Equations

Substitution method can be applied in four steps

Step 1:

Solve one of the equations for either $x =$ or $y =$.

Step 2:

Substitute the solution from step 1 into the other equation.

Step 3:

Solve this new equation.

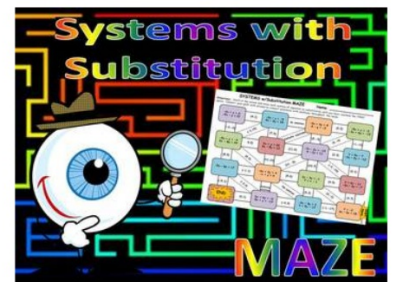
Step 4:

Substitute to find the second variable.

Step 5:

Check your answer by plugging x and y into both equations.

**SOLVE, SUBSTITUTE, SOLVE, SUBSTITUTE, SOLVE
CHECK!!!**



Example 1:

$$2x + 3y = 6$$

$$x + 4y = 13$$