Solving Linear Systems by Substitution Method

To use the Substitution Method, you can replace one variable with an equivalent expression containing the other variable. This makes a one-variable equation.

1. **y = 2x + 3**
   y = –2x – 9

- Substitute _____ for _____ in the _____ equation.
- Solve for _____.

- Remember that the solution must be a _____ (____, ____).

- Pick one of the _____.
- Substitute _____ into the equation.
- Solve for _____.

- Write your solution as a _____.

2. **x = 2y – 7**
   2x + 4y = 10

- Substitute _____ for _____ in the _____ equation.
- Solve for _____.

- Remember that the solution must be a _____ (____, ____).

- Pick one of the _____.
- Substitute _____ into the equation.
- Solve for _____.

- Write your solution as a _____.

→The solution to a system of equations is the _____ ____ _____.