

TSW solve systems of linear equations by finding the unique solution using the following strategy...

* _____

8EE8a & 8EE8b

Quick Write-

What strategies have you learned to solve linear equations? Which strategy do you prefer? Why?

Definition of Substitution Method

Substitution Method

How to Solve Systems of Linear Equations Using Substitution Method

- STEP 1** Select one equation. Express one variable in terms of the other.
- STEP 2** Substitute this new equation into the second equation to find the value of one variable.
- STEP 3** Substitute this value in one of the equations to find the value of the other variable.

$$x + y = 8 \quad \text{— Equation 1}$$

$$x + 2y = 10 \quad \text{— Equation 2}$$

X=

Y=