

Name:

Date:

Topic:

Class:

Main Ideas/Questions	Notes/Examples
Substitution Method	
Steps to Solve	<ul style="list-style-type: none">• Step 1: Solve one equation for ____ or ____.• Step 2: _____ this expression into the other equation and _____ for the variable.• Step 3: _____ your answer into the revised equation from Step 1 and _____ for the other variable.
Examples	Directions: Solve each system by substitution.
	1. $\begin{cases} y = 4x - 1 \\ y = 2x - 5 \end{cases}$
	2. $\begin{cases} y = 6x \\ 2x + 3y = -20 \end{cases}$
	3. $\begin{cases} y = x + 9 \\ 3x + 8y = -5 \end{cases}$
	4. $\begin{cases} x = 4y + 7 \\ 2x - 6y = 12 \end{cases}$

$$5. \begin{cases} 2x + y = -2 \\ 5x + 3y = -8 \end{cases}$$

$$6. \begin{cases} 2x - 3y = -11 \\ 2x + y = 9 \end{cases}$$

$$7. \begin{cases} x + 5y = 4 \\ 3x + 15y = -1 \end{cases}$$

$$8. \begin{cases} x + 4y = 0 \\ 3x + 2y = 20 \end{cases}$$

$$9. \begin{cases} 6x + 3y = 54 \\ 2x + y = 18 \end{cases}$$

$$10. \begin{cases} x - 3y = -2 \\ 10x + 8y = -20 \end{cases}$$

$$11. \begin{cases} 3x - y = -8 \\ 5x + 2y = 5 \end{cases}$$