Systems of Equations: Lesson 2
Substitution: Notes

Name: _____

MATH 4 ALL

Solve the system of equations: $\begin{cases} y = -x + 2 \\ y = 3x + 10 \end{cases}$

Solve the system of equations: $\begin{cases} x = 3y + 8 \\ -2x - 5y = -5 \end{cases}$

Steps to solve systems by substitution:

1. _____ one of the equations for either variable if necessary–pick a variable with a coefficient of _____ or _____ .

2. Put that equation into the other equation–put it in _____ .

3. _____ for the variable in your new equation.

4. _____ for the other variable.

Solve by substitution: $\begin{cases} 4x - 5y = 2 \\ 2x - y = 4 \end{cases}$