Warm Up

- 1. How do you know when to use substitution to solve a system of equations?
- 2. How should the **solution** of a system of equations always be written?
- 3. Once you've solved for one variable in a system of equations, how can you solve for the other variable?

plug in answer into or, ginal equation, then solve!

SUBSTITUTION

 Replacing a variable with something that is

equivalent

- Used when there's a variable alone.
- Don't forget to use parenthers!

ELIMINATION

 Adding or subtracting to make one variable

cancel out

- Used when the coefficients of one variable match
- Don't forget to watch your

negatives

Example #1: Solve.

SUBSTITUTION
$$y = -2x + 4$$
 $-2x + y = -4$
 $-2x + 4 = -4$
 $-2x + 4 = -4$
 $-4x + 4 = -4$
 -4

