## Steps:

E

XA

M

E

- 1. Solve one equation for one variable (choose an easy one!)
- 2. Substitute the equation from #1 into the other equation
- 3. Solve the new equation
- 4. Substitute your answer to find the other variable

x + 2y = 8

$$y = 2x - 1$$

No need to solve, y is by itself!

Substitute!

$$x + 2y = 8$$

$$x + 2($$
\_\_\_\_\_) = 8

$$x + _{---} = 8$$

$$x =$$

Substitute into either equation!

$$y = 2x - 1$$

$$y = 2(__) - 1$$

$$y = _{-} -1$$

**Solution:** 

$$y - 2x = -17$$

$$x + y = 16$$

Solve one equation for x or y!

$$x + y = 16$$

$$x =$$

Substitute!

$$y - 2x = -17$$

$$y - 2($$
\_\_\_\_\_) = -17

$$v - = -17$$

Substitute into either equation!

$$x + y = 16$$

$$x + _{---} = 16$$

$$x = \underline{\hspace{1cm}}$$

Solution: