

Is this a solution to the system? (yes or no?)

**SHOW WORK**

$$3y = -5x + 15$$

$$-y = -3x + 9$$

a) (0, 0)

No

$$3(0) = -5(0) + 15$$

$$0 \neq 15$$

b) (3, 0)

Yes

$$3(0) = -5(3) + 15$$

$$0 = 0 \checkmark$$

$$-0 = -3(3) + 9$$

$$0 = 0 \checkmark$$

c) (1, 1)

No

$$3(1) = -5(1) + 15$$

$$3 = -5 + 15$$

$$3 \neq 10$$

**Are You the Solution?**

## Homework Questions?

# Homework

7.2 Solving Systems of Equations by  
Substitution wkst (handwritten)  
#1-16even