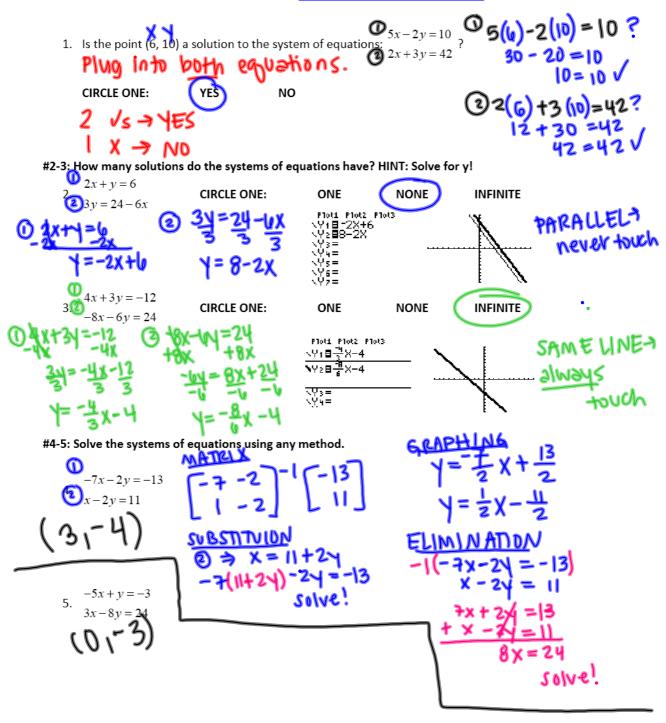
Name:

## Systems Quiz #1 Review

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6. The equations of two lines are 2x - y = 4 and y = -2x + 8. What is the value of x in the solution for this

7. If the equations of two lines are y = 6x - 11 and -2x - 3y = -7, then x + y = ?

7. If the equations of two lines are 
$$y = 6x - 11$$
 and  $-2x - 3y = -7$ , then  $x + y = 7$ 

$$-2x - 3y = -7$$

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$$(2_11)$$

8. Jada had brochures printed for a new business venture. Jada originally ordered 4 boxes of black-andwhite brochures and 3 boxes of color brochures, which cost a total of \$134. After those ran out, Jada spent \$120 on 3 boxes of black-and-white brochures and 3 boxes of color brochures. Write a system of equations that represents this situation. 2 + PCS

9. Two brothers went shopping at a back-to-school sale where all shirts and shorts were the same price. The younger brother spent \$175 on 7 new shirts and 7 pairs of shorts. The older brother purchased 6 new shirts and 7 pairs of shorts and paid a total of \$165. How much did one shirt cost? 2 🙌 🇨 🗲

Let x be shirts 
$$7x+7y=175$$
  
Let y be shorts  $0x+7y=105$ 

10. Skyler went to Taco Bell for lunch. Skyler spent a total of \$11.25 on soft tacos and burritos. Each soft taco cost \$1.15 and each burrito cost \$2.05. Skyler bought two more burritos than soft tacos. Write a system of equations that represents this situation.

Let t be ta cos. 
$$|\cdot|$$
5t + 2.05b =  $|\cdot|$ 25  
Let b be burritos.  $b = 2 + t$ 

11. David is running a concession stand at a soccer game. He sells nachos and sodas. Nachos cost \$1.50 each and sodas cost \$0.50 each. At the end of the game, David made a total of \$78.50 and sold a total of 87 nachos and sodas combined. Which system of equations represents this situation?

of 87 nachos and sodas combined. Which system of equations represents this situation?

a 
$$1.50n + 0.50s = 78.50$$

b  $0.50n + 1.50s = 78.50$ 

c  $1.50n + 0.50s = 87$ 
 $n + s = 2$