Algebra OPFI Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**U5 LT 1/2 Quiz Review**

*LT 1: Students will be able to determine whether an ordered pair is a solutions to a system of linear equations.*

*LT 2: Students will be able to find the solution of a system of linear equations by graphing the equations using technology and analyzing the relationship between the graphs of each function.*

*Success Criteria #1*

Determine if the ordered pair is a solution of the system of linear equations

Ex 1: (1,4); y = 2x + 2 Ex 2: (5,3); x + 3y = 14

 3x – 2y = -5 y = x – 2

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Ex 3: What is the solution of the system of equations graphed to the right?

Ex 4: Use your graphing calculator to sketch the following and then solve the system of equations.

*Success Criteria #2*

*Determine if the ordered pair is a solution of the* ***system of linear equations****.*

1. (2,5); x + y = 7 2. (-2,0); y = -2x – 4

 2x – 3y = -11 y = x + 4

Solution? Yes or NoSolution? Yes or No

*Use your graphing calculator to sketch the following and then solve the system of equations.*

3. $y=\frac{2}{3}x-2$ 4. y = -x + 6

 y = $-\frac{4}{3}x+4$ $ y=\frac{1}{2}x+9$

Solution: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ Solution: \_\_\_\_\_\_\_\_\_\_\_\_\_\_



Sketch a system of linear equations that has NO SOLUTION.