Algebra 1

Period: _____ Date: ____

Complete problems 1 and 2 using Desmos:

1. Solve the following systems of equations:

a)
$$-2x = -16 - 2y$$

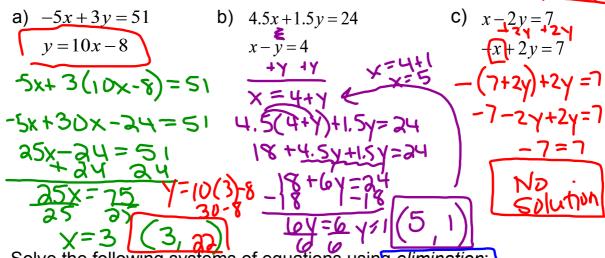
 $3x - 6y = 30$
b) $15x - 5y = 20$
 $6x - 2y = -8$

2. What is the sum of the x & y values in the solution to the system:

$$3x - 2y = -5$$

$$4x + 5y = 47$$

3. Solve the following systems of equations using *substitution*: $X \neq \emptyset$



4. Solve the following systems of equations using *elimination*:

a)
$$2x = 32 + y$$

 $y - 5x = 13$

$$-30 = 32 + y$$

$$2x - y = 32$$

$$-3x - 32$$

$$-3x - 45$$

$$-3x - 3x$$

$$-3x$$

