Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_

Teacher: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ CC Algebra

Cumulative Review #2.5

**Show work for all questions for full credit**

**& write your answers on the lines provided!!!**

(*If you feel no work is needed you must explain your reasoning.)*

1. The expression  is equivalent to which other expression?

 A. x3

 B. x5

 C. 9x3

 D. 9x5

 1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2. Which statement illustrates the zero product property?

 A.  ●  = 1

 B. n0 = 0

 C. 0n = 0

 D. 0 – n = −n

 2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3. Solve this system of equations. Only an algebraic solution will be accepted.

 x + y = 5

 3x + 2y = 10

3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4. Solve for *x* in terms of *y* and *z*.

 

4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5. Solve the following inequality and graph the solution on a number line.

 −5(x – 4) + 3x > −16



 5. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_