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

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

Cumulative Review #1.3

**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. Use the number line below to answer the given question.

 

 Which of the letters shown represents −  on the number line?

 A. K

 B. L

 C. M

 D. N 1. \_\_\_\_\_\_\_\_\_\_

2. Which inequality represents the situation: “Alex has at most $45 to spend on a basketball, including 8% tax”?

 A. *p* + 0.08*p* < 45

 B. *p* + 0.08*p* > 45

 C. *p* + 0.08*p* ≥ 45

 D. *p* + 0.08*p* ≤ 45

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

3. Last year, Mr. Lopez made $30,000. His boss just informed him that he will be receiving an 11.2% raise this year. How much will he make this year?

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

4. Evaluate x2  + 3x − 18 when x = −3.

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

5. Simplify 4n + 2(3n − 5) − 8 + n.

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