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

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

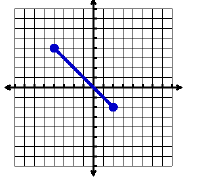
Cumulative Review # 2.9

**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. What is the domain of the following function?





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

2. Write a compound inequality that represents the following phrase.

“All real numbers that are between –8 and 4 inclusive”

* 1. –8 < n ≤ 4 c. –8 ≤ n ≤ 4
  2. –8 < n < 4 d. –8 ≤ n < 4

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

3a. Karen makes $5 per hour babysitting and $12 per hour giving music lessons. One weekend, she

worked a total of 18 hours and made $139. Write a system of equations to represent the situation.

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

3b. Use the system you wrote in part a to find out how many hours did she spend babysitting & how many hours she spent giving music lessons.

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

4. Evaluate when x = -2 and y = -3

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