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

Teacher: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Math 8

**Cumulative Review #3.5**

**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. Which point lies on the graph of y = −3x + 5?

A. (0 , −5)

B. (−1 , 2)

C. (3 , −4)

D. (2 , 1)

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

2. Trevor spent 60% of the $37.50 he had for a video game. What was the cost of the game?

A. $24.00

B. $22.50

C. $15.00

D. $6.25

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

3. The temperature is 68°F inside and −4°F outside. What is the difference in temperature?

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

4. Donuts are sold in boxes of eight. Bottles of juice are sold in cases of twelve. What is the minimum number of boxes and cases needed to have the same number of each item?

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

5. Graph triangle HJK with vertices H(0,0), J(3,0), and K(3,3) Graph the original and the image formed by rotating the triangle 90˚ counterclockwise. State the new coordinates



5. H’ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

J’ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

K’ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_