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

Weekly Spiral Review Homework #8 Due: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Directions**: Complete each problem in the space provided. **SHOW ALL WORK FOR CREDIT.**

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| 1. An art teacher had $\frac{2}{3}$ gallon of paint to pour containers. If he poured $\frac{1}{8}$ gallon of paint into each container until he ran out of paint. How many containers had paint in them, including the one partially filled?
 | 1. The coordinates of point F are (1,0.5) and the coordinates of point G are (-1,-0.5). Plot points F and G on the coordinate plane below.

Image result for coordinate plane |
| 1. The table below lists the coordinates of four points.

If x represents any number in the first column, write an expression that can always be used to fins the value of y in the second column.  | 1. The able below shows different possibilities for the number of games a team would need to win to maintain a certain percentage of wins.

Write three more ratios that could also be included in this table. |
| 1. The cost of 4 tacos is $6.00 at the food cart. What would be the cost of 10 tacos?
 | 1. Write an expression represented by the phrase “the square of y decreased by the quotient of 28 and 7.
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| 1. A recipe for lemonade calls for 1 cup of sugar and 5 cups of water. How much sugar is used per cup of water?
 | 1. Sam paid $8.28 for 18 stamps. At this rate, how much would it cost Sam to buy 12 stamps?
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| 1. John’s friend told him he could earn $49 for handing out flyers at a local concert. John wants to calculate the hourly rate. If he works a total of 3.5 hours, the equation $3.5x=49$ can be used to determine his hourly rate. What would John’s hourly rate be in dollars?
 | 1. Fei Yen’s dog eats 8 ounces of dog food each day. Fei Yen bought a 28-pound bag of dog food. How many 8-ounce servings are in a 28-pound bag of dog food?
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