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

Weekly Spiral Review Homework #5 Due: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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

|  |  |
| --- | --- |
| 1. Show all work.

$$1\frac{5}{9}÷\frac{2}{3}$$**Answer:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 1. Show long division:

$$2250÷125$$**Answer:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 1. A basketball player attempts 15 baskets in a game. He makes 9 of the attempted baskets. Write a ratio in **simplest form** that describes the number of baskets the player made to the number of baskets the player attempted.

**Answer:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 1. Nicholas sold 21 of the 35 candy bars in his fundraising box. What percent of the total number of candy bars did Nicholas sell?

**Answer:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ % |
| 1. Draw a coordinate plane. Label the x-axis, y-axis, origin, and 4 quadrants.
 | 1. The coordinates of the vertices of triangle ABC are A $\left(-4, -2\right)$, B $(-4, 5)$, and C $\left(3, 5\right)$. What is the length, in units, of the line segment that connects Vertex A and Vertex B? Use absolute value to show your work.

**Answer:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ units |
| 1. A group of students organized a car wash to raise money for a local charity. The students charged $4.00 for each car they washed. In 4 hours, they washed 16 cars. At that rate, how much money could they earn from washing cars in **six** hours?

**Answer:** $ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 1. There’s a huge sale going on at Lid’s Hat shop. A $60 hat is on sale for 20% off. How much is the discount? How much is the new price of the hat?

**Answer:** $\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 1. Simplify the expression

$$(11-8)^{3}-2×4$$**Answer:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 1. What is the value of the expression when

 $c=5 and d=4$$$6c^{2}-5d+8$$**Answer:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |