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

**More Practice- Conversions, Significant Figures, and Scientific Notation**

**Metric Conversions:**

Using K H D b d c m, answer the following questions:

1.) 185 km = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ cm

2.) 6,000,000 mm =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ m

3.) 17 kg = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ g

4.) 0.00000089 kg = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_mg

**Non-metric Conversions:**

**Using the given conversion factors, answer the following questions:**

1 mile = 1.609 km 1 lb = 453.6 g 1 m = 3.28 ft

5.) Convert 37 miles to km

6.) Convert 100,800 grams to lbs

7.) Convert 45.87 feet to meters

**Significant Figures**

**How many significant figures are in each number?**

8.) 7,810,000 \_\_\_\_\_\_\_\_\_\_\_\_\_\_

9.) 82,003 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

10.) 1.300 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

11.) 0.00072 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

12.) 0.005003 \_\_\_\_\_\_\_\_\_\_\_\_\_\_

13.) 7,400.0 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Scientific Notation**

**Write each expression in scientific notation:**

14.) 758,000,000

15.) 0.00023

16.) 1,040,000,000,000

**Standard Notation**

**Write each expression in standard notation:**

17.) 2.6 x 107

18.) 4.68 x 104

19.) 3.8 x 10-5