**General Chemistry Data Collection Review Sheet**

1. Determine how many significant figures there are in each of the following values:

* 0.0034 grams \_\_\_\_\_\_
* 1.20 x 103 grams \_\_\_\_\_\_
* 0.090 grams \_\_\_\_\_\_
* 1390 grams \_\_\_\_\_\_
* 1010. grams \_\_\_\_\_\_

1. What do the following prefixes mean?

* Micro \_\_\_\_\_\_\_\_\_
* Centi \_\_\_\_\_\_\_\_\_
* Milli \_\_\_\_\_\_\_\_\_
* Kilo \_\_\_\_\_\_\_\_\_

1. Convert 0.0037 cm to m.
2. Convert 450 cg to mg.

Perform the following calculations:

1. 31.0 grams – 14.38 grams = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. 720 meters – 1.67 meters = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. 0.037 grams / 8 mL = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. What is the difference between accuracy and precision?
5. Why is it sometimes improper to draw a line through the origin when you’re making a graph?
6. Find the length of your finger with a ruler to the right number of sig figs.