My Significant Other HW

Read and outline (Cornell style) **Section 2.3** in your Chemistry textbook. Then answer the following assessment questions:

1. A piece of wood has a labeled length value of 76.49 cm. You measure its length 3 times and record the following data: 76.48 cm, 76.47 cm, and 76.59 cm. How many significant figures do these measurement have?

2. Are the measurements in problem 1 accurate? Are they precise? Explain your answers.

3. Calculate the percent error for each measurement in problem 1. Use your textbook to figure out how to calculate Percent Error.

4. Perform the following calculations and round your answer to the correct number of sig figs:

   a. 6.00g x 3.0g
   b. 253.1cm + 345.69cm
   c. 65.4g / 32mL
   d. 2.3g – 1.66g