

**Experiment 01**  
**Basic Techniques**  
**Pre-Lab Questions**

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

**Date:** \_\_\_\_\_

**Class Ticket:** \_\_\_\_\_

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**Questions**

1. What would be the % error in the density of water if the accepted density of water was 0.998203 g/mL at 20.0°C and you measured the density of water to be 1.03 g/mL?

2. What would be the average and standard deviation (reported as average  $\pm$  standard deviation) of the following 3 values for the density of water: 1.03 g/mL, 1.04 g/mL, and 0.99 g/mL?