**Chemistry**

**Problem Solving from Chapter 2**

**Directions: Solve the following problems. Round your answers using the rounding rules. Show work and include units.**

1. Convert 62.1 °F to °C.
2. Convert 303 K to °F.
3. The mass of a cube is 4.56 g/cm3. It has a density of 12.56 g/cm3. Find the volume of the cube in cm3.
4. Convert 32.00 miles to centimeters.
5. Convert 400 in3 to L.
6. The density of aluminum is 2.7 g/mL. In an experiment, a student finds the density of an aluminum cube to be 4.3 g/mL. Calculate the student’s percent error.