

# Non Sibi High School

Andover's Chem 550/580: Advanced Chemistry

Chapter 1, Review Quiz 1

**1**

How many significant figures are in 0.00609000?

**2**

Convert the following measurements:

- a. 0.40 miles to centimeters
- b.  $8.74 \times 10^{-4}$  kilograms to pounds
- c. 235 milliliters to gallons

**3**

The density of liquid octane is 0.70 g/mL. What is the mass in milligrams of 0.0910 gallons of octane?

**4**

The density of steel is 7.82 g/cm<sup>3</sup>. What is the volume in m<sup>3</sup> of 0.68 kilograms of steel?



This work is licensed under a  
Creative Commons Attribution-NonCommercial-NoDerivs 3.0 Unported License  
Contact: [kcardozo@andover.edu](mailto:kcardozo@andover.edu)