Physics 12 Daily Review #1
Measurement and Uncertainty

1. What is the difference between accuracy and precision?

2. What are the two types of experimental errors?

3. Given a measured length of 1.256m what is the uncertainty of this reported value?

4. What is the percent uncertainty of the value reported in question #3?

5. Determine the percentage error for a measured value of 2.98×10^8 m/s for the speed of light.

6. Determine the number of sig figs in each of the following numbers:
a)   2004
b)   0.0034
c) 3.34×10^{-2}
d)   4500
e)   3.400

7. Determine the length of the following object and determine the uncertainty.