Stat 104 – Homework 1
Due Tuesday, August 31, 2010

Reading: 
August 24 Chapter 1
August 26 – September 2 Chapter 2

Assignment:

1. Complete the following problems from the text: 1.7, 1.8, 1.19, 1.24, and 1.25.

2. The Pew Research Center conducted a public opinion survey from July 21st through August 5th, 2010. 3,003 randomly selected adults from across the United States were contacted by telephone and asked the question, “Do you approve or disapprove of the way Barack Obama is handling his job as president?” 47% of the people contacted answered that they approve, 41% answered that they disapprove, and 12% were unsure. The poll has a margin of error of plus or minus 2.5 percentage points.

   a) Identify the population.
   b) Identify a population parameter of interest.
   c) Identify the sample.
   d) Identify a sample statistic that tells you something about the parameter you identified in b) and give its value.
   e) Explain how the margin of error provides an inferential statistical analysis.