 Assignment:

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

2. ABC News together with the Washington Post conducted a public opinion survey from December 20th through December 23rd, and December 26th 2011. 1,016 randomly selected adults from across the United States were contacted by telephone and asked the question, “Overall, do you have a favorable or unfavorable impression of the year 2012 for the United States?” 55% of the people contacted had a favorable impression, 43% had an unfavorable impression, and 2% were unsure. The poll has a margin of error of plus or minus 3.5 percentage points. There are approximately 235 million adults (persons 18 years and over) in the United States.

   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) Use the sample statistic and the margin of error to make a statistical inference about the population parameter.