Stat 171 - Worksheet for Section 1.1

Name: _____

1. The U.S. Department of Energy conducts weekly survey of approximately 800 gas stations to determine the average price per gallon of regular gasoline. On December 10, 2012, the average price was $3.35 per gallon. Identify the population and the sample. Describe the sample data set.

2. Last year, a company with 65 employees spent a total of $5,150,694 on employees' salaries. Does the amount spent describe a population parameter or a sample statistic?

   (a) Determine whether the amount spent is from a population or a sample.

   (b) Specify whether the amount spent is a parameter or a statistic.

3. A survey of 750 parents found that 31% support their kids financially until they graduate college, and 6% provide financial support until they start college.

   (a) Determine which part of the survey represents the descriptive branch of statistics.

   (b) What conclusion might be drawn from the survey using inferential statistics?