**NC Math 1B Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Unit 7 Lesson 1 Homework: Introduction to One-Variable Statistics**

**1.** Determine whether the following data is **categorical (C)** or **quantitative (Q)**

**a.** The candidate a survey respondent will support in an upcoming election.

**b.** The length of time of people’s drive to work.

**c.** The number of televisions in a household.

**d.** The distance kickers for a football team can kick a football.

**e.** The number of pages copied in the copy room each day.

**f.** The kind of tree in each person’s front yard in a neighborhood.

**g.** The type of blood a person has.

**h.** The jersey numbers of the football team.

**i.** The heights of the tallest buildings in the world.

**j.** The language spoken by 2000 people coming in to JFK Airport.

**2.** A math student is interested in figuring out the average price of vehicles at Glentown High School. She takes a sample of 50 cars in the school’s parking lot and finds the average value to be $13, 400.

**a.** What is the population?

**b.** What are the individuals?

**c.** What data is being collected? (Include units if applicable)

**d.** What type of data is it (categorical or quantitative)? How do you know?

**3.** A bank wants to improve its customer service. Before deciding to hire more workers, the manager decides to get

some information on the waiting times customers currently experience. During a week, 50 customers were randomly selected, and their waiting times, in minutes, were recorded. The data are as follows:

18.5 9.1 3.1 6.2 1.3 0.5 4.2 5.2 0.0 10.8 5.8 1.8 1.5 1.9 0.4

3.5 8.5 11.1 0.3 1.2 4.4 3.8 5.8 1.9 3.6 2.5 4.5 5.8 1.5 0.7

0.8 0.1 9.7 2.6 0.8 1.2 2.9 3.0 3.2 2.8 10.9 0.1 5.9 1.4 0.3

5.5 4.8 0.9 1.6 2.2

* 1. On a separate sheet of paper, construct a frequency table of the data.   
     (Remember to define the classes so that there are approximately 5-7 groupings.)
  2. Use the frequency table to create a histogram for your data.