



Name:----- ID: -----

Answer the following questions:

Q1: True or False

- 1- The collection of all cars registered in the United States is an example of a population.
- 2- The average (mean) age of people who respond to a particular survey is an example of a parameter.
- 3- Eye colors are an example of ordinal data.
- 4- The range, standard deviation, and variance are all measures of center.
- 5- For any data set, the median is always equal to the 50th percentile.

Q2: The Insurance Institute for Highway Safety conducted tests with crashes of new cars traveling at 6 mi/h. The total cost of the damages for a simple random sample of the tested cars are listed below. Based on these results,

\$7448 \$4911 \$9051 \$6374 \$4277

- 1- Find the median and mode for this sample?
- 2- Is damage of \$10,000 unusual? Why or why not?