# Math 153 - Quiz 1

August 24, 2017

Name _____

Score _____

Show all work to receive full credit. Supply explanations when necessary. YOU MUST WORK INDIVIDUALLY.

1. (1 point) Sam claims that he has done 150% of all possible work in his driver's education class. What is wrong with Sam's claim?

2. (2 points) In a sample of 150 working American men, the majority made more than $38,000 per year. Identify the population and the sample.

3. (1 point) Suppose you are stopped by the police for driving too fast on the interstate. The officer tells you that your speed was 87.12625 mph. What common problem with data analysis would come to your mind in this situation?

4. (1 point) President Trump is on the record for believing in widespread voter fraud. He has selected members of a committee to investigate voter fraud. What common problem with data analysis will likely arise here?

5. (1 point) There are 13 chapters in Sun Tzu's *Art of War.* Is 13 a parameter or statistic?

6. (1 point) Are student identification numbers quantitative or qualitative data?

7. (1 point) Sarah counts the numbers of students in each classroom on the third floor. Are her data discrete or continuous?

8. (2 points) Determine the level of measurement.

   (a) Volume of soda in a can

   (b) Military ranks