
August 25, 2016

Score _____

- (2 points) A researcher is interested in determining how U.S. senators feel about a certain issue. The researcher interviews 15 senators. Identify the population and the sample.
- (2 points) The average age of those killed in the World Trade Center attacks is 40 years. Is this number a parameter or a statistic? Briefly explain your reasoning.
- (2 points) Determine the level of measurement. Choose from nominal, ordinal, interval, or ratio.
 - Distances that students commute to school
 - Places of athletes finishing a marathon

4. (1 point) If you give 100% to Math 153, how much will you have to give to your other classes?

5. (1 point) A ten-student committee is formed by selecting 6 full-time students and 4 part-time students at random. Is this a simple random sample? Explain.

6. (2 points) Ten students are to be selected from a group of 100 students.
 - (a) Explain how you could do so with systematic sampling.

 - (b) Explain how you could do so with stratified sampling.