1. (1 pt) Determine whether the following examples of data are quantitative or qualitative. Write "QUANTITATIVE" for quantitative and "QUALITATIVE" for qualitative. (without quotations)
   (a) The marital status of your coworkers.
   answer: ________________
   (b) Your college GPA.
   answer: ________________
   (c) The occupation of your neighbors.
   answer: ________________
   (d) The amount of bacteria on a piece of moldy bread.
   answer: ________________

2. (1 pt) Determine whether the following examples are discrete or continuous data sets. Write "DISCRETE" for discrete and "CONTINUOUS" for continuous. (without quotations)
   (a) The number of errors found on a student's research paper.
   answer: ________________
   (b) The distance traveled by a city bus each day.
   answer: ________________
   (c) The temperature in any given location.
   answer: ________________
   (d) The number of students applying to graduate schools.
   answer: ________________

3. (1 pt) Determine whether the follow descriptions correspond to an observational study or an experiment. Write "EXPERIMENT" for experiment and "OBSERVATION" for observational study. (without quotations)
   (a) A new antibiotic is tested in effectiveness by recording how the drug works on patients that already take the drug.
   answer: ________________
   (b) Cartons on milk are opened, and the volumes of the contents are measured.
   answer: ________________
   (c) A new study examines how efficiently athletes burn calories by limiting their diets.
   answer: ________________

4. (1 pt)