Classroom Activity 1 Math 113 Name : _____
10 pts Intro to Applied Stats

Materials Needed:

Bubble solution with bubble ring.

Instructions:

Divide into teams of at least three people.

Each member of the group is to dip the ring into the solution. Hold the ring still, and *gently* blow as many bubbles as possible. Other members of the group are to count and record the number of bubbles. Blow the bubbles slightly upward so that the team members have time to count. Each member is to blow bubbles several times.

1. Record your results in the table.

Member	1	2	3	4
Name				
Gender				
Round 1				
Round 2				
Round 3				
Round 4				

2. Give your results to the instructor, who will make the combined class data available in electronic and/or printed form.

3. Classify the number of bubbles blown (circle each correct response)

   a. Quantitative or Qualitative
   b. Discrete or Continuous
   c. Nominal, Ordinal, Interval, or Ratio

Answer the questions on the following page using the combined class data.

4. Manually construct a back-to-back stem-and-leaf plot for the number of bubbles blown by gender (see prob 2.3.31).

5. Construct a frequency distribution for the number of variables blown. Pick a suitable value for the number of classes and calculate the class width. Note, although there is room for eight classes in the table given, do not feel you need to use eight classes.

   a. Number of classes:

   b. Class width:

Class	Limits	Boundaries	Freq	Cum. Freq.

6. Draw a frequency histogram for the number of bubbles blown. Use a ruler and be sure to label the graph appropriately.