Module 1 Review

(answers included)

1. Construct a frequency distribution with <u>five</u> classes using the following data. This data represents the number of hours of overtime worked in a month.

35		51	44	42	37	38	36	39	44	43	40	40
32		39	41	38	42	39	40	46	37	35	41	39

2. Determine whether the following studies would best be completed using a sample or population:

   a. Determining the average weight of Labrador puppies.
   b. Determining the average number of points per game for a famous basketball player.
   c. Determining the average grade of one statistics class.
   d. Determining the average number of eggs a salmon lays.

3. Determine whether the following data is qualitative or quantitative:

   a. The number of home runs by a baseball player.
   b. The distance from the tee to the green on a golf course.
   c. The different species of oak trees.
   d. The results of a survey that uses the Likert scale.

4. Determine whether the following data sets are best described as: Nominal, Ordinal, Interval or Ratio. If it is ratio or interval, also tell whether it is discrete or continuous.

   a. The radius of ball bearings manufactured by a company.
   b. The amount of candy a child receives at Halloween.
   c. The names of constellations.
   d. The months of the year.

5 **Fill in all the missing information in the frequency distribution:**

Miles Driven to Work	Frequency	

8 In a section of a calculus class, test scores were randomly selected and the following scores were recorded:

74   73   77   77   71   68   65   77   67   66

16. Calculate a student's GPA if he received a B in a 2 credit class, an A in a 3-redit class, and a C in a 5 credit class.

17. Calculate a student's final grade under the following guidelines:

Score	