Name: _____   Period: _____   Date: _____

(Do this assignment on a separate piece of paper)

1.   Bar graphs and circle graphs are used to display categorical data. Name four different
      types of displays that are used to display quantitative data.

2.   Identify the type of display show in each of the following. (histogram, dotplot, etc.)

a)   b) Heights of Black Cherry Trees   c)

d)   Annual snow depth at Mathsville Ski Resort   e)   f)
      4 | 1 3 9
      5 | 2 7
      6 | 7 8 9
      7 | 0 2 3 3 3 3 3 4 4 5 6 7
      8 | 1 2 2
      9 | 2 6
      10 | 1 8
      11 | 2 4   4 | 3   represents 43
      12 | 3
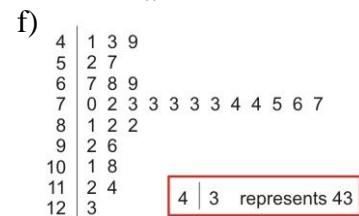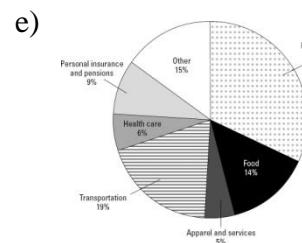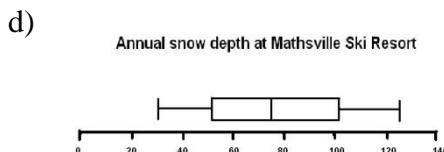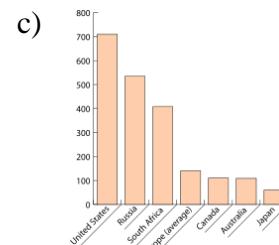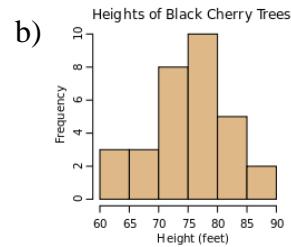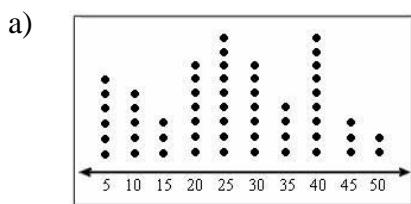
3.   Describe the shape of each graph as Unimodal, Bimodal, or Multimodal.

a)   b)   c)
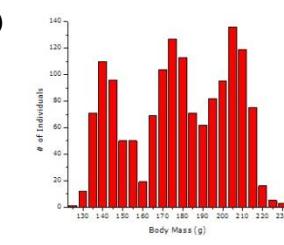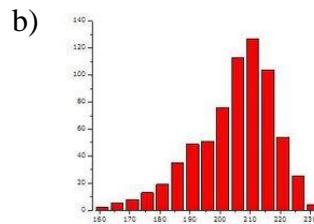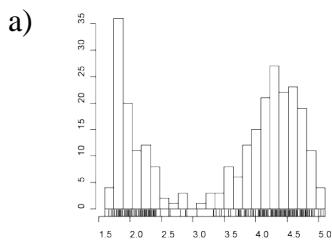
4.   Describe the shape of each graph as Uniform, Symmetric, or Skewed.

a)   b)   c)
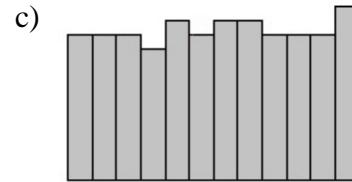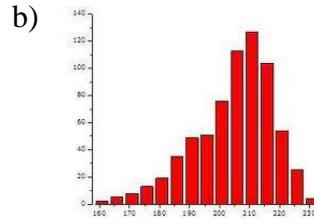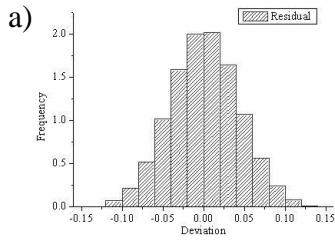
5.   The measure of the center of a histogram can sometimes be misleading. In a couple of
      sentences, identify the shape of histograms where the measure of center can be useful and
      identify the shape of histograms where the measure of center can be misleading.

6. a) Create a Stem-and-Leaf plot of the following data. (Hint: put data in order first)

52, 64, 82, 76, 58, 58, 76, 72, 83, 42, 31, 82,
78, 63, 54, 86, 68, 70, 71, 73, 56, 44, 28

b) In a couple of sentences, describe the shape of the stem-and-leaf plot you drew in part a. (Use words like unimodal, bimodal, multimodal, uniform, symmetric, skewed left, or skewed right in your description.)

7. In a couple of sentences, describe the shape of the following histograms. (Use words like unimodal, bimodal, multimodal, uniform, symmetric, skewed left, or skewed right in your description.)

a)

b)
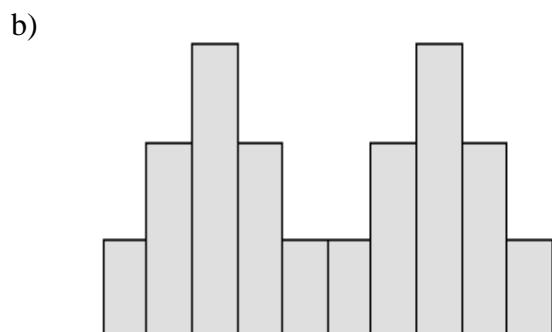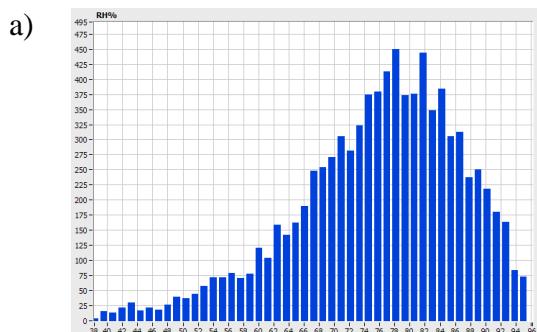
8. Identify the center of the following graphs.
(Use the number or range of numbers in the center)

a)

b)

Skewness = 1.60