1. The following are the scores of 12 members of a woman's golf team in tournament play:
89 90 87 95 86 81 111 108 83 88 91 79

a) Construct a modified boxplot of the data.
b) Are there any outliers?
c) Find the mean.
d) Based on the mean and median describe the distribution.

2. Students from a statistics class were asked to record their heights in inches:
65 72 68 64 60 55 73 71 52 63 61 65
74 69 67 74 50 44 75 67 62 66 80 64

a) Construct a modified boxplot of the data.
b) Find the value of the IQR.
c) Are there any outliers? List them, if any, and try to offer an explanation.

d) Based on the shape of the distribution (histogram) do you expect the mean to fall distinctly above the median, close to the median, or distinctly below the median?

3. Below is the data on maximum daily rainfall in South Bend, Indiana over a 30-year period:
1.88 2.23 2.58 2.07 2.94 2.29 3.14 2.15 1.95 2.51
2.86 1.48 1.12 2.76 3.10 2.05 2.23 1.70 1.57 2.81
1.24 3.29 1.87 1.50 2.99 3.48 2.12 4.69 2.29 2.12

a) Compute the 5 number summary.
b) Draw a modified boxplot.
c) Are there any outliers?
d) Based on the shape of the distribution (histogram) do you expect the mean to fall distinctly above the median, close to the median, or distinctly below the median?