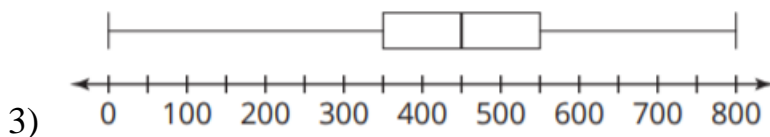Name:_____Date:_____Period:_____   S.ID

1) Construct a **box-and-whisker plot** to display the number of miles from school that a
   number of randomly chosen students live. The data are 5, 10, 15, 12, 1, 14, 9, 15, 3, 10,
   12, 15, 8, 14, 13, and 2.

Create a **dot plot** of each given data set. Calculate the *mean* and *median*. Determine which
measure of center best describes each data set.

2) The data are 50, 50, 40, 70, 60, 50, 20, 50, 80, 40, 60, 40, and 50.

Calculate the **IQR** of the data set represented in each box-and-whisker plot and determine
whether there are any outliers in each data set.

3)

0   100 200 300 400 500 600 700 800

Calculate the mean and the standard deviation of each data set

4) The data are 6, 8, 9, 10, 10, and 11.

5) Construct a histogram to display the scores on a recent English quiz. The data are 18, 45, 20, 32, 9, 35, 49, 28, 25, 19, 5, 30, 22, 24, and 14. Use $0 \le x < 10$ as the first interval.