

Chapter 16 Review

Name: \_\_\_\_\_

Find the mean, median, mode, range, mean absolute deviation (MAD) and interquartile range (IQR) of the following data sets. Then create a box plot and a dot plot for each data set. Finally, describe the spread, center and shape of the data (use the dot plot you created):

1) 98, 77, 85, 88, 82, 83, 87, 103, 79, 88, 91, 88, 94

2) 3, 9, 17, 22, 3, 9, 21, 4, 6, 6, 9, 3, 14, 16, 8, 16

3) 49, 47, 53, 85, 53, 72, 96, 148, 53, 49, 51, 63, 72, 58, 64, 83, 91, 87

4) 34, 56, 46, 39, 39, 43, 52, 57, 39, 35, 42, 49, 51

5) 249, 291, 256, 374, 352, 286, 250, 328, 307, 281

6) 0, 2, 9, 7, 5, 3, 5, 8, 11, 14, 2, 0, 0, 1, 4, 7, 12, 11, 8, 4, 7, 6, 3, 5, 8, 13, 5, 18, 2