

Math 206 - Quiz 5

March 3, 2010

Name _____

Score _____

Show all work to receive full credit. Supply explanations when necessary.

1. (1 point) Harry recently invested some of his money in the stock market. He bought several hundred shares of a certain stock, and he tracked the performance of the stock over several days.

Day	0	1	2	3	4	5
Value	\$14.50	\$14.00	\$15.50	\$16.00	\$15.50	\$16.50

On a separate sheet of graph paper, sketch the line graph corresponding to Harry's data. In one sentence, tell why a line graph is an appropriate way to display Harry's data.

2. (1 point) Find the standard deviation in the values of Harry's stock.

3. (2 points) Find the median, the quartiles, and the interquartile range of the following data. Also sketch the boxplot. (Don't worry about outliers.)

10, 18, 12, 20, 24, 21, 18, 19, 10, 14, 17, 20, 21, 23, 14

4. (1 point) On a separate sheet of graph paper, construct a frequency table and a histogram for the following collection of test scores.

96.0 78.5 76.0 82.5 74.0 69.0 43.5 72.5 83.0 95.5
75.5 52.0 65.0 76.0 81.0 57.5 77.0 78.5 91.0 88.0