

Math Applications Module 8 Test

Name: _____

Date: 1/19/2010

At Grasso Tech, the math teacher looked at two classes' grades. Both classes take the same test and on previous tests the classes' average has been close.

One class's grades were: 52, 60, 66, 71, 72, 73, 75, 76, 77, 77, 78, 80, 82, 84, 85, 88, 89, and 90

The second class's grades were: 76, 77, 78, 79, 80, 80, 82, 83, 84, 85, 85, 88, 90, 90, 90, 92, 96, 96, and 99

Rules:

- 1) You can use your notes and should make sure to use the notes from Friday
- 2) There is no talking till the end of the period. Any talking will result in a zero even if it is after you turn in your test.
- 3) Turn in the test at the end of the period.

Problems:

- 1) Create a back to back stem and leaf plot for the information.
- 2) Determine the measures of central tendency (mean, mode, median, and range) for each set of data.
- 3) Create a box and Whisker plot for each set of data and explain what you see when you compare the two classes.
- 4) Determine the standard deviation for each class and give me the range for 1 standard deviation for each class.