

Group Members: _____

Statistics Review

Sally is looking at the test grades she has made throughout the school year in Mrs. Johnson's math class. These are her test scores:

60, 65, 70, 90, 100, 85, 75, 60, 85, 95, 100, 70, 60, 100, 60, 70, 80, 90, 80, 60

As a group, create the following on your chart paper:

(note: anyone not participating with their group will be asked to complete this assignment individually on a piece of paper):

- a. line plot... 8 points
- b. line graph... 8 points
- c. bar graph... 8 points
- d. stem and leaf plot... 8 points
- e. circle graph (use the paper plate – each bend is 5° - group by A(90-100), B(80-89), C(75-79), D(70-74), F(below 70)... 10 points
- f. identify the mean, median, mode, and range of the scores... 8 points each
- g. *Which measure of central tendency (mean, median, mode, or range) should Sally use to decide if her performance in math this year has been better than last year's when she finished the year with an 80? Explain your reasoning... 10 points*
- h. *Which graph does your group think represents Sally's performance the best? Why?... 10 points*

Note: 6 points will be added for neatness and the names of all members of the group on the back of your chart paper