**Algebra II Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Chapter 11 Statistics**

**MEASURES OF CENTRAL TENDENCY AND PLOTS**

1. The following grades were posted on the math exam:

96, 58, 76, 68, 96, 96, 91, 96, 96, 70

Find the mean and mode and make a Box Plot.

1. The prices of used cars is listed in the data given below:

$11,500, $11,200, $14,400, $9,200, $11,500

What is the range and median of the prices? Make a plot.

1. What is the variance of the following data? Round the answer to the

nearest hundredth place. Make a Box Plot

25, 15, 35, 20, 30, 25, 40

1. The graph shows the scores of students in Math and their hours of study.

Which correlation does the data in the above graph show? Create a set of data (read from the graph) and then make this Scatter Plot.

 

1. The given box-and-whisker plot shows the starting salaries for graduates

of a college.



What is the median, the upper quartile and the range of the salaries?

1. Twenty-one students appeared in statistics exam having a maximum of 50

marks. The stem-and-leaf plot shows the marks distribution.

 1 8, 9

2 3, 4, 5, 9, 9

3 4, 5, 7, 7, 8, 8, 9

4 0, 7, 8, 9, 9

5 0, 0

 Find the third quartile of the marks distribution. Make the Box Plot and Histogram, and Dot Plot.