ALGEBRA II JOURNAL Statistics

1.	Statistics is the science of,
	and information about a set of data.
2.	(a) A is a statistical graph that looks like a bar graph. Each bar is
	called a and represents
	(b) To properly graph & scale a histogram on your calculator, you must set the width of each bar by changing the and then scale the graph by changing the
3.	
4.	(a) The measures of central tendency measure
	while the measures of variation measure
	(b) If the data is centrally distributed, the best measure of central tendency to use is
	while the best measure of variation to use would be
	(c) If the data is skewed to one side or scattered, the best measure of central tendency to use is
	while the best measure of variation to use would be
	(d) is the measure of central tendency most affected by an extreme value
	while the measure of variation most affected by an extreme value is
5.	(a) To calculate common statistics in your calculator, you must first enter the data on a
	page and then press
	(b) To calculate mode in your calculator, you must the column to be
	by Then press
	
6.	Standard deviation is
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7.	
	represents% of the data.
	(b) A box-and-whisker plot visually displays the of the data.
8.	A z-score of -1.4 means that an individual scored
	(above/below) the mean.
9.	(a) If Melanie scored at the 91 st percentile on the ACT, that means
	(b) If you know an individual's raw score, you can find the corresponding percentile rank by calculating the
	and then finding

10. Lis	st the following rules, facts, or formulas. Name the 3 measures of central tendency & describe the method for calculating each.
1.	
b)	Name the 3 measures of variation & describe the method for calculating each.
c)	Label each break point and end point with the name of the value used to locate each point.
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4)	3 steps for calculating outliers e) Formula for z-score
u)	5 steps for calculating outners e) Formula for z-score
f)	Draw the normal curve and break it into sections showing the standard percentages. <u>Be sure to</u>
	label the x-axis!
g)	List the 5 sampling methods and describe how each method is performed.