Grade 9 MTH1W Statistics Name_____

In Class- Practice Assignment

Date_____

Given the data set for the life expectancy of some animals,

1. Find the range, mode, median, and mean of the different life expectancies.
2. Calculate the Standard Deviation of the life expectancies by filling the table.
3. Find the Normal Range for life expectancies from the given data set.
4. Which of the given animals have a normal life expectancy? Which of the animals have a higher than normal and which animals have a lower than normal life expectancy?
5. Calculate the lower quartile, upper quartile, and interquartile range for the data set.
6. Determine the lower and upper thresholds for outliers. Is there an outlier? If so, what is the outlier?
7. Construct a box and whisker plot to represent the data set.

1) Average Lifespan

Animal	Years
Sulphur Crested Cockatoo	40
Tree Frog	14
Canary	20

Animal	Years
Snapping Turtle	57
Parakeet	18
Pigeon	11

Animal	Years
Giant Salamander	55
Grouse	10
Hare	10

Animal	Years
Dog	22
Amazon Parrot	80

Data	Subtract mean:	Square	Average the squares	Square root

Given the data set for the number of words in book titles,

1. Find the range, mode, median, and the mean.
2. Calculate the Standard Deviation by filling the table.
3. Find the Normal Range for number of words in book titles.
4. Calculate the lower quartile, upper quartile, and interquartile range for the data set.
5. Determine the lower and upper thresholds for outliers. Is there an outlier? If so, what is the outlier?
6. Construct a box and whisker plot to represent the data set.

2) # Words in Book Titles

2	5	3	4	2	4	5	4
3	5	6	8	3	2	2	1
3	2	3	3	2	2	3	1

Data	Subtract mean:	Square	Average the squares	Square root