STATISTICS & PROBABILITY

NAME_____DATE_____PERIOD_____

1. List the steps for calculating the standard deviation of a data set.

2. Find the mean, median, mode, range and the standard deviation of the following data set. (Round all numbers in the table to the tenth – one decimal place)

a) Experiment A = 1, 3, 5, 15, 2, 11, 12, 9

Mean -   Median- :   Mode-   Range-

Data Item	Difference	Difference^2

Mean of Squared Differences –

Standard Deviation -

b) Experiment B = 21, 23, 24, 25 , 29, 16, 34, 39

Mean -   Median-   Mode-   Range-

Data Item	Difference	Difference^2

Mean of Squared Differences –

Standard Deviation -

c) Experiment C = 101, 117, 114, 107, 123, 121, 109, 110

Mean -   Median-   Mode-   Range-

Data Item	Difference	Difference^2

Mean of Squared Differences –

Standard Deviation -