NAME: \_\_\_\_\_

Data Set A:

{9, 10, 11, 7, 13}

Data Set B:

{10, 10, 10, 10, 10}

Data Set C:

{1, 1, 10, 19, 19}

Which of the following is true about the standard deviations of the three data sets above?

- A.) The standard deviation of data set A is larger than the standard deviation of data set B and data set C.
- B.) The standard deviation of data set B is larger than the standard deviation of data set A and data set C.
- C.) The standard deviation of data set C is larger than the the standard deviation of data set A and data set B.

\_\_\_\_\_

D.) All the data sets have the same standard deviation.

Explain how you solved this problem: