Instructions: Please complete all exercises by hand. Calculator may be used.

Round to the nearest hundredth when not specified.

For free response questions, please do not use google. Use your own words.

Exercise 1.

Given the following set.

5,2,1,3,4,1,5,6,8,9,10,2,4,5

What is the mean?

What is the median?

What is the mode?

For this particular data set, which measure of central tendency works better? Why?

Exercise 2.

Given the following data set.

5,19,30,50,100,X

Mean = 20

What is the value of X?

Exercise 3.

Given the following data set,

100,500,300,20,60,40,X

Mean = 100

What is the value of x?

Exercise 4.

What is the mean? Please give the formula, and explain the use for it.

Exercise 5.

What is the median? Please explain how we calculate it, and what we use it for.