GBS 221

Trollen

Chapter 3 Worksheet 3

Name _____ Phone Number (____) ____- _____

Show all work and carry all calculations to 4 decimal digits.

1. Using the values {2, 2, 4, 5, 6} as a sample, provide each of the following:

   a. Dotplot

   0 1 2 3 4 5 6 7 8 9

   b. Median

   c. Mean

   d. Complete the deviations worksheet

x	deviation from mean $(X - \overline{X})$
2	
2	
4	
5	
6	
S	

2. Using the 10 digits of your phone number as a ***sample***, provide the following:

   a. Dotplot

   0 1 2 3 4 5 6 7 8 9

   b. Median

   c. Mean

   d. Complete the deviations worksheet

x	deviation from mean $(X - \overline{X})$
S	

3. In what sense is the ***mean*** the balance point of a data set?