

1. Given the following sample data : 2, 2, 3, 4, 5, 2, 6, 0  
compute sample standard deviation (by hand) (use definition, not computational formula, show all work)

2. The distribution of test scores on Test #1 of Mat 210 students has mean of 77 points and standard deviation of 7 points. Fill in the blanks in the following statement by using the 3 Standard Deviations Rule.

Most of the test scores are between \_\_\_\_\_ points and \_\_\_\_\_ points.

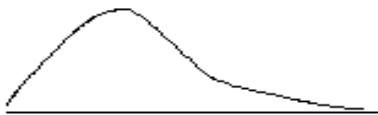
3. The sample of 70 students yield the following information:

25 students are Democrats, 30 are Republicans, 10 are Independent and 5 are Libertarians.

Give the mode of this data.

4. Consider the graph of the distribution of some variable given below.

The distribution is clearly right skewed. Which of the following statements about the mean and the median of that distribution is true? Circle the correct answer.



- Mean is smaller than the median
- Mean and median are equal
- Mean is larger than the median