

Name:

Elementary Statistics

HW 3.2 part 2

1. In what sense are the mean, median, mode, and midrange measures of “center”?

2. In an editorial, *The Poughkeepsie Journal* printed this statement: “The median price—the price exactly in between the highest and lowest—...” Does that statement correctly describe the median? Why or why not?

3. The following data set includes the numbers of years that U.S. presidents have lived after their first inauguration (data set 12 in appendix B).

10	29	26	28	15	23	17	25	0	4	1
16	12	4	17	16	0	24	12	4	18	21
11	2	9	36	12	28	16	3	9	25	23

Find the mean and the median. What is the value of finding the mean of those numbers?

4. Find the mean of the data summarized in the following frequency distribution.

<u>Age of Actor When Oscar Was Won</u>	<u>Frequency</u>		
20-29	1		
30-39	26		
40-49	35		
50-59	13		
60-69	6		
70-79	1		

5. A statistics teacher at Saugerties High School uses the following weights for calculating grades in a particular course:

Tests: 60%

Homework: 15%

Quizzes: 10%

Projects: 10%

Participation: 5%

One student knew he scored a 72 test average, 68 homework average, 85 quiz average, 90 project average, and 85 participation average. Find his weighted average.