On my honor, as a University of Colorado at Boulder student, I have neither given nor received unauthorized assistance on this work.

SIGNATURE:_____

1) A student earned grades of 93, 89, 76, and 92 on her four regular tests. She earned a grade of 78 on the final exam and 85 on her class projects. Her combined homework grade was 87. The four regular tests count for 40% of the final grade, the final exam counts for 30%, the project counts for 10%, and homework counts for 20%. What is her overall course grade? Express your answer as a percentage, rounded to two decimal places.

2) A sociologist recently conducted a survey of citizens over 60 years of age who have net worths too high to qualify for Medicaid but have no private health insurance. The ages of the 25 uninsured senior citizens were as follows:

$$68 \quad 73 \quad 66 \quad 76 \quad 86 \quad 74 \quad 61 \quad 89 \quad 65 \quad 90 \quad 69 \quad 92 \quad 76$$
$$62 \quad 81 \quad 63 \quad 68 \quad 81 \quad 70 \quad 73 \quad 60 \quad 87 \quad 75 \quad 64 \quad 82$$

a.) What is the range of this sample?

b.) What is the interquartile range of this sample?

c.) What is the mean of this sample?

3) All the quiz scores for a large class of MATH 1081 students is shown in the following frequency table.

SCORE	FREQUENCY
5	2
6	2
7	7
8	7
9	8
10	4
11	3
12	17
13	14
14	32
15	35
16	28
17	35
18	30
19	7
20	4

a.) (2 points) Compute the median quiz score for this class. (Round to 3 decimal places.)

b.) (2 points) Compute the standard deviation for the class. (Round to 3 decimal places.)

c.) (2 points) Compute the 5% trimmed mean for this class. (Round to 3 decimal places.)

d.) (1 point) What is the mode of the data for this class?

1) 84.3
2) 81.5
3)