Name _____   Date _____

|	Bacon	Sausage	Ham
Waffles	48	13	31
Pancakes	11	12	18

1. In the table below, record the joint and marginal relative frequencies. Round your answer to the nearest hundredth.

	Bacon	Sausage	Ham	Totals
Waffles				
Pancakes				
Totals				

2. Is it more likely that you had ham given that you had waffles or given that you had pancakes?

3. If you surveyed 350 people, how many of them would you expect to have been waffle-eaters who had bacon?

Test Grades
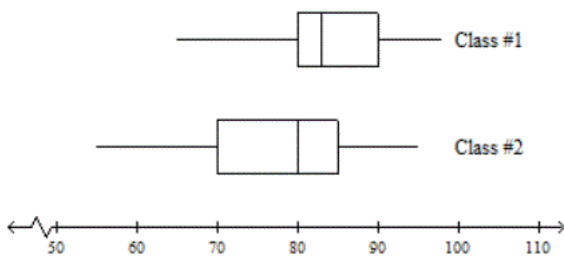
Which class had the smaller:

- IQR _____?

- Median_____?

- Spread in the 2nd 25%_____?

- Overall deviation_____?

For questions 5-8, use the list of test scores given here:

92, 61, 82, 90, 87, 78, 76, 90, 85, 89

5. What are the mean, median, and mode and IQR of the data?

Mean = _____   Median = _____   Mode = _____   IQR = _____

6. Find the Mean Absolute Deviation of the scores.

7. Create a box-and whisker plot for the data.

8. Are there any outliers? Show all your calculations.

9. The following table shows a person study hours versus their test scores.

Hours studied (x)	2	5	1	0	4	2	3
Grade on test (y)	77	92	70	63	90	75	84

Would the data be best modelled as a linear, quadratic, or exponential function? Find the equations for each, then justify your answer.

Additional Topics for Review:

- Correlation vs. Causation

- Analyzing results (tell me what your data actually means)