Review for Test 1

1. On a math test, the scores of 24 students were:

91 73 79 66 79 79 91 83 79 68 87 73
73 87 79 73 87 79 73 83 73 87 83 66

a. Construct a frequency table with 4 classes beginning with a lower class limit of 60.

Score (Class Limits)	Frequency	Cumulative Frequency
60-		

b. Fill in the cumulative frequency column.

c. Find the mean score.

d. Find the standard deviation.

2. In ten trips to Las Vegas, a person had the following net gains:

$1252 $2636 $4472 $6303 $1515
$2597 $6886 $8321 $6847 $4002

Find the: a. mean

b. median

c. mode

d. range

e. standard deviation

3. Which score has a better relative position, a score of 82 on a test for which the mean is 70 and s=8, or a score of 82 on a test for which the mean is 75 and s=4?

4. The table below describes the smoking habits of a group of asthma sufferers.

	Nonsmoker	Occasional smoker	Regular Smoker	Heavy Smoker	Total
Men	392	31	85	36	544
Women	394	45	87	49	575
Total	786	76	172	85	1119

a. If one of the 1119 people is randomly selected, find the probability that the person is an occasional smoker or a nonsmoker.

b. If two different people are randomly selected, find the probability that they are both men.

5. Jose can remember only the first 3 digits of his friend's phone number. He also knows that the number has 7 digits and that the last digit is not a 0. If Jose were to dial all of the possible numbers and if it takes him 24 seconds to try each one, how long would it take to try every possibility?