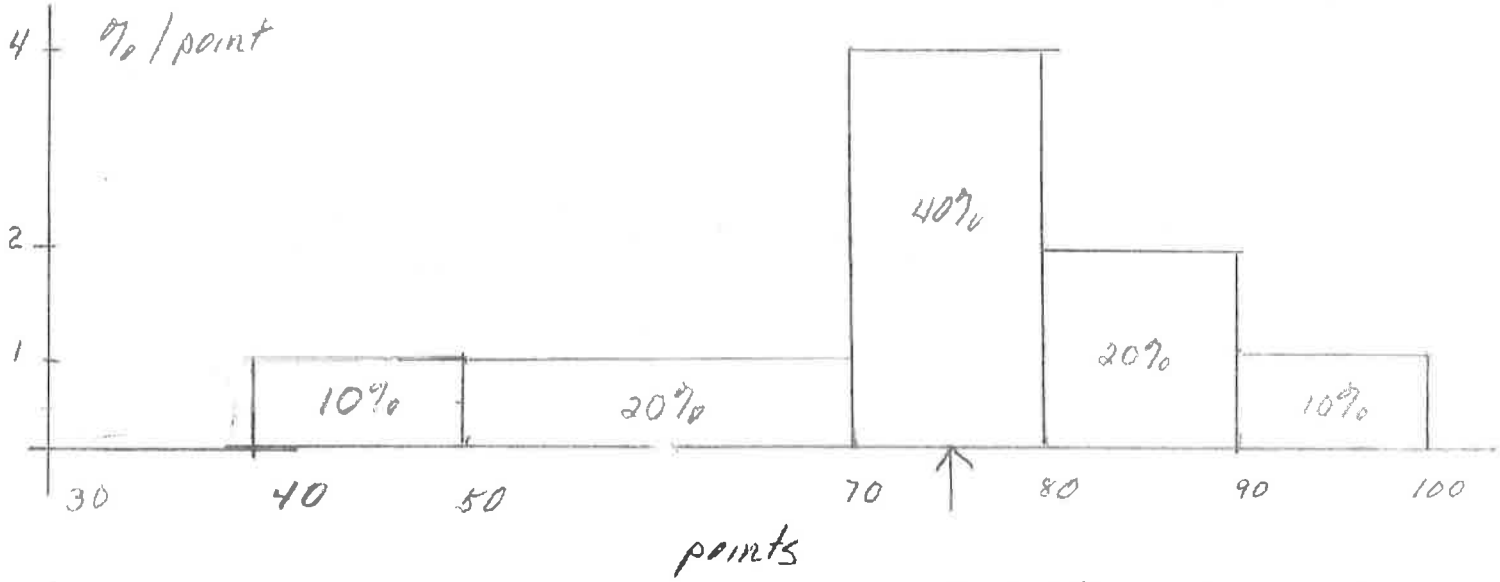
Stat 1040 **Name**_____
Quiz 2, Fall 2014 **Recitation Instructor**_____

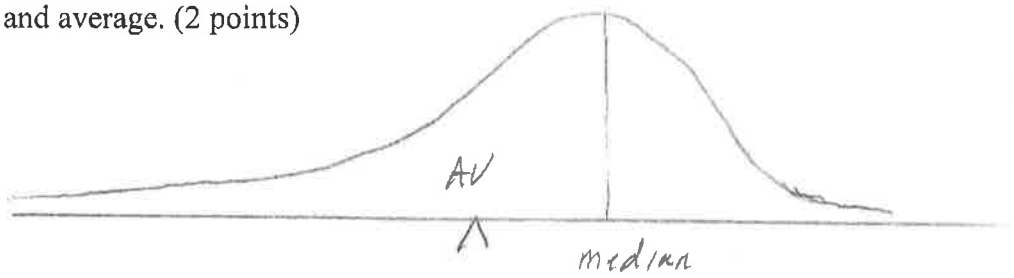
1. A table for the scores of 300 students on a statistics midterm is given below. The class intervals include the left endpoint, but not the right. Draw the histogram and label the axes. Estimate the percentage of students who scored above 75? (6 points)

Points	Number of Students		Width of Inverval	Height = % / w
40-50	30	10%	10	1
50-70	60	20%	20	1
70-80	120	40%	10	4
80-90	60	20%	10	2
90-100	30	10%	10	1



≈ 50% above 75

2. Sketch a histogram whose average is less than its median. Be sure to label the median and average. (2 points)



long left tail

3. The average of a list of 666 numbers is 13 and the SD is equal to 7. If you add 25 to each of the numbers on the list, what is the average and SD of the new list? Briefly explain. (2 points)

The histogram for the new list is just 25 units to the right, SD's are equal, AV = 666+25 = 691.