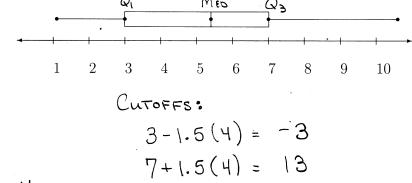
Math 153 - Quiz 6 October 6, 2016

Name _	key		
	٦	Score	

Show all work to receive full credit. Supply explanations when necessary.

1. (6 points) The boxplot shown below describes a certain collection of data. Find approximate values for the median, first and third quartiles, and the interquartile range. Based on your approximations, what would be the cutoff values for outliers?



 $Q_1 = 3$

MED = 5.4

Q3 = 7

- 2. (4 points) A letter is selected at random from the word EYJAFJALLAJOKULL.
 - (a) What is the sample space for this experiment?

(b) What is the event of selecting a vowel?

(c) What is the probability of your event in part (b)?

(d) Is your probability in part (c) experimental, theoretical or subjective?

WE ASSUMED EACH ACTUAL LETTER
18 EQUALLY LIKELY.

6 vowers 16 LETTERS