

Math 153 - Quiz 6

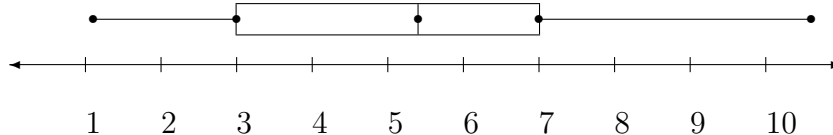
October 6, 2016

Name _____

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?



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?