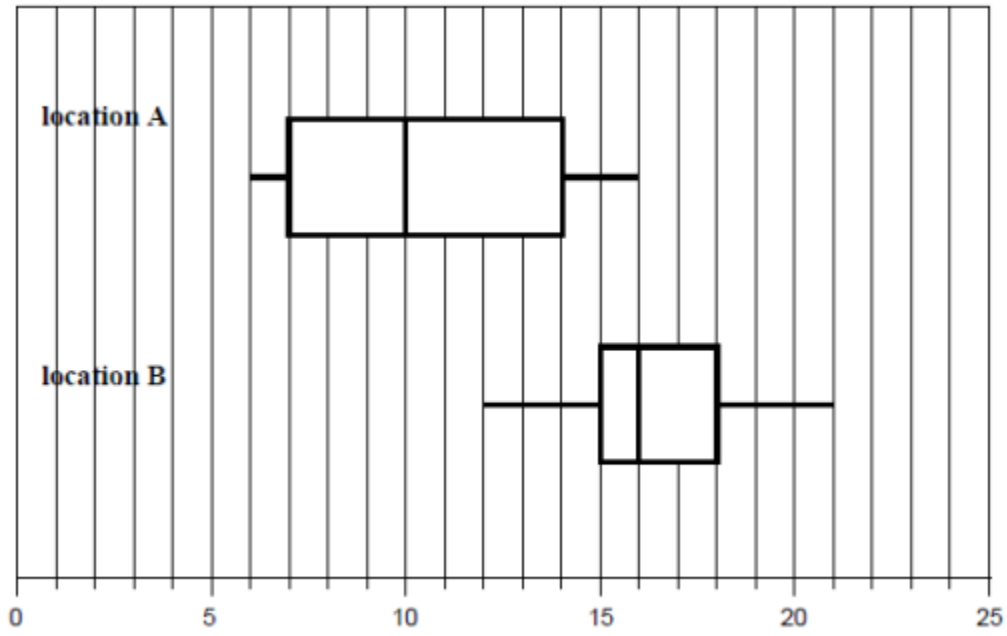
Math-2205 Class Test 02 Section C

1. According to the following the stem-leaf plot, compare the central tendency (for maximization) and consistency of the given classes. Also, convert the stem-leaf plot to a box-whisker plot. [6]

Girls		Boys
5	14	
7, 5, 5, 5, 4	15	3, 8, 9
8, 4, 2, 1, 0	16	2, 5, 7, 7, 7, 8, 8, 9
9, 8, 7, 6, 6, 4, 2, 1, 1, 0, 0	17	0, 2, 3, 6, 6, 7, 7
	18	0, 1, 4, 5

2. Compare the following box-whisker plots for skewness and kurtosis. [4]



Math-2205 Class Test 02 Section E

1. For the following stem-leaf plot, compare the median, inter-quartile range, and mode of the provided leaves. [5]

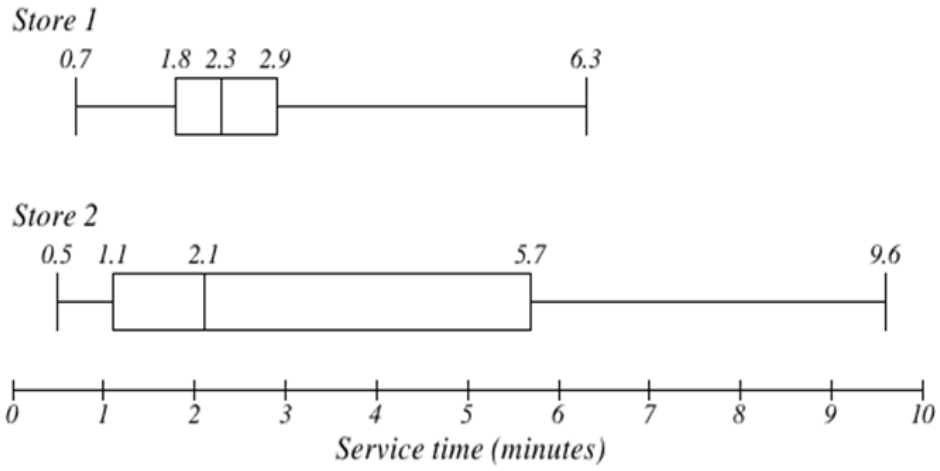
Theater A		Theater B
9, 9, 9, 8, 5	7	2, 6, 9
9, 7, 6, 6, 2, 0	8	1, 4, 5, 7
9, 5, 4, 2	9	0, 1, 4, 8, 9
1, 1	10	1, 4, 8
	11	0, 2
Key: 5 | 7 = 75		Key: 7 | 2 = 72

2. Find the average of the data given by the following Stem-Leaf plot. [1]

stem	leaf
0	5 7
1	1 3 5 9
2	0 4
3	5
4	0 3

Key: 1\|7 means 1.7

3. According to the following the box-whisker plots, compare their nature and sharpness of the given stores. [4]



Math-2205 Class Test 02 Section K

1. Consider the following data that represent the height and weight of the students in an institution.

Height	62, 66, 57, 64, 59, 68, 69, 56, 70, 63, 71, 55, 60
Weight	73, 65, 61, 75, 61, 56, 57, 69, 58, 66, 60, 59

   (i). Design a back-to-back stem-leaf plot. [2]
   (ii). Compare the consistency of the given data. [2.5]
   (iii). Sketch the box-whisker plot of the stem-leaf plot found in (i). [2.5]

2. According to the following the box-whisker plots investigate the nature and sharpness. Also, write the relation among the median, mean, and mode. [3]