

P.I. A.S.11: Find the percentile rank of an item in a data set and identify the point values for first, second, and third quartiles

1. Which is the first quartile of these data?
4, 8, 3, 5, 4, 7, 6
[A] 3 [B] 4 [C] 3.5 [D] 5

2. Use a graphing calculator to make a box-and-whisker plot of this data. Use the TRACE feature to find the values of Q_1 , Q_2 , and Q_3 .
78, 86, 81, 92, 94, 85, 84, 90, 83, 85, 91, 91

[1] B

[2] $Q_1 = 83.5$; $Q_2 = 85.5$; $Q_3 = 91$