Alg 2 Ch 11.6-11.7 Qu	Alg 2	Ch	11.6-	11.7	Quiz
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Date Score_

Form A

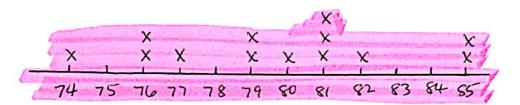
For questions #1-8 use the following data:

Heights of Los Angeles Lakers basketball players (2017) measured in inches:

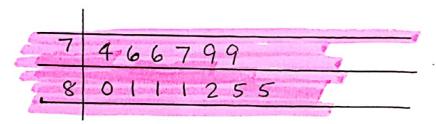
77 81 76 85 80 79 76 81 74 82 85 79 81

68

1) Make a number line plot for these data:



2) Make a stem and leaf plot for these data:

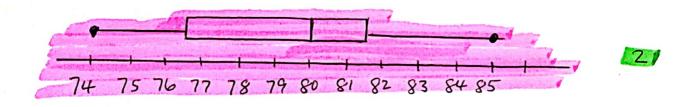


3) Calculate the following (round to one decimal place):

76.51

Q3 81.57

4) Make a box plot for these data:



~more~



For questions #1-8 use the following data: (continued)

5) Calculate the following (round to one decimal place):



6)



(a85) 13 = 11.05 11th term





min = 74 max= 85

$$\bar{\chi} = \bar{\chi} + 10 \quad (\bar{\chi} + 20) = 82.9 \quad (86.1)$$
 $\bar{\chi} - 10 \quad (\bar{\chi} - 20) = 76.5 \quad (73.3)$

8) Suppose the shortest player was actually 68 inches tall. Would this change most affect the mean, the median, or the mode?

 $\bar{x}_{68} = 79.2$ × 74 = 79.7



In general ...

9) What is the relationship between the variance and the standard deviation?

variance = (stand, dev)2/



What percentile value is associated with the lower quartile (Q1)? 10)





What percent of data lie within 1 standard deviation of the mean? 11)





~end~