Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Sect \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Use the data in the set to create a box-and-whisker plot.

7, 2, 11, 13, 8, 9, 12:

Identify the following:

Median:

Lower quartile:

Upper quartile:

Low sample:

High sample:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

14, 2, 0, 3, 8, 9, 2, 16:

Identify the following:

Median:

Lower quartile:

Upper quartile:

Low sample:

High sample:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

For the following two data sets, create a box and whisker plot for each, then compare the two sets by answering the questions at the bottom of the page.

Set A:

19, 2, 11, 17, 1, 13, 9, 15, 4:

Identify the following:

Median:

Lower quartile:

Upper quartile:

Low sample:

High sample:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

Set B

10, 11, 19, 1, 11, 11, 10, 8, 12, 19:

Identify the following:

Median:

Lower quartile:

Upper quartile:

Low sample:

High sample:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

What are two similarities between Set A and Set B?

What are two differences between Set A and Set B?

What does the size of the interquartile range tell you about the two sets?