

Homework 6.2 Shape of Data

For the data below, answer the following information.

9, 10, 4, 6, 7, 8, 7, 9, 5, 9, 9, 5, 8, 5, 2, 3, 4, 4, 4, 9, 7, 9, 10, 9

Measure of Center

1. Find the Mean: _____
2. Find the Median: _____
3. Find the Mode(s): _____

Measure of Spread (Variability)

4. Find the Range: _____
5. Find the IQR: _____
6. Find the MAD: _____

101, 76, 52, 50, 26, 7, 13, 1000

Measure of Center

7. Find the Mean: _____
8. Find the Median: _____
10. Find the Mode(s): _____

Measure of Spread (Variability)

11. Find the Range: _____
12. Find the IQR: _____
13. Find the MAD: _____

Determine the shape of the data. (Draw the graph and identify the skewness of the graph or data by deciding whether it is symmetric, skewed-right, or skewed-left.)

14. 8, 2, 1, 1, 5, 3,
3, 1, 2

15.

Number of Points	Number of Segments
2	1
3	3
4	6
5	10

16. 0, 0, 1, 1, 1, 2,
2, 2, 2, 2, 2, 3,
3, 3, 4, 4

17. Which graph in 14 – 17 contains any outliers? Explain why?