NAME\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Mean Absolute Deviation (MAD) Practice

1. Find the mean absolute deviation (MAD) for the following set of high temperatures recorded across the United States on August 21:

87, 72, 93, 91, 64, 86, 95

MAD\_\_\_\_\_\_\_\_\_\_\_

2. There was a cold front in North Dakota and the temperature there was recorded at 24 degrees on the same day. How would this change the MAD?

New MAD \_\_\_\_\_\_\_

3. The students in Mrs. Schmidt’s science class took a benchmark last week. The following were the grades on the test:

89, 94, 90, 92, 88, 99, 23, 97, 94, 17

1. Find the mean, median, mode, range, and mean absolute deviation for the set of data.

Mean \_\_\_\_\_ Median\_\_\_\_\_ Mode\_\_\_\_\_ Range\_\_\_\_\_ MAD\_\_\_\_

1. Is there an outlier? If so, how would these change without it?

Mean\_\_\_\_\_ Median\_\_\_\_\_ Mode \_\_\_\_\_ Range \_\_\_\_\_ MAD\_\_\_\_\_

1. Which measure of central tendency best represents the classes grades and why?

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