

Math 153 - Quiz 3

February 18, 2016

Name _____

Score _____

Show all work to receive full credit. Supply explanations when necessary.

1. (1 point) Fill in the blank with an appropriate word or phrase: The standard deviation is a measure of the _____ of a data set.

2. (1 point) What must be true of a data set if its standard deviation is zero?

3. (2 points) Compute the sample standard deviation: $\{1, 1, 2, 4, 5, 6, 6, 7\}$

4. (6 points) Listed below are amounts spent by candidates in running campaigns for local county board seats.

\$45,263 \$39,875 \$29,500 \$53,276 \$79,034 \$55,611

Based on these numbers, would it be unusual for a candidate to spend \$80,000? What about \$15,000?