Name: _____ Date: _____

1. The mean of a list of numbers is the product of the numbers divided by the number of entries in the list.
   A) True
   B) False

2. The median of a list of numbers arranged from smallest to largest is the _____ number.
   A) first
   B) last
   C) middle
   D) average

3. A(n) _____ is a data point that is significantly different from most of the data.
   A) foreigner
   B) outlier
   C) quartile
   D) anomaly

4. The standard deviation is a measure of how much the data are spread out from the mean.
   A) True
   B) False

5. Michael's five test scores in his physics class were 75, 67, 88, 91, and 84. What was his mean test score?
   A) 84
   B) 81
   C) 79
   D) 88

6. XYZ Corporation recorded the number of employee absences each week over a period of 10 weeks. The result is the data list 5, 3, 4, 1, 4, 7, 2, 6, 3, 5. Find the standard deviation of the number of absences each week.
   A) 0.55
   B) 1.00
   C) 1.73
   D) 1.83

7. Ted's six test scores in a biology class were 66, 45, 87, 74, 80, and 56. What was his average test score if his lowest test grade was dropped?
   A) 73
   B) 70
   C) 68
   D) 74

8. If a set of data is normally distributed, then about _____ of the data lie within one standard deviation of the mean.
   A) 34%
   B) 47.5%
   C) 68%
   D) 95%

9. If a set of data is normally distributed, then about 95% of the data lie within three standard deviations of the mean.
   A) True
   B) False

10. The average yearly high temperature in a certain city is recorded. It is found that the mean temperature is 70.2°F with a standard deviation of 8.2°F. Assuming that the data are normally distributed, in what range should 68% of the data lie?
    A) 53.8°F – 86.6°F
    B) 62.0°F – 78.4°F
    C) 47.7°F – 59.9°F
    D) 45.6°F – 94.8°F