1) The grades for the trigonometry exam are listed below. Find the range.   1) _____
   85, 76, 93, 82, 84, 90, 75
      A) 9   B) 11   C) 18   D) 76

2) If a data set has 25 values and a standard deviation 9.4, then the variance is _____.   2) _____
      A) 1.9   B) 17.7   C) 88.4   D) 47.0

3) Find the sample variance for the following data set: 3) _____
      15   22   29   28   35

      A) 46.2   B) 7.6   C) 20   D) 57.7

4) Find the population variance for the following data set: 4) _____
      16   21   30   27   37

      A) 52.6   B) 8.1   C) 65.7   D) 21

5) Find the sample standard deviation for the following data set: 5) _____
      28   12   30   16   22

      A) 7.7   B) 6.9   C) 47.0   D) 58.8

6) Find the population standard deviation for the following data set: 6) _____
      32   15   27   22   26

      A) 5.7   B) 32.2   C) 6.3   D) 40.3

7) The average age of Stokes County school board members over the last 40 years has been   7) _____
   51, but members have ranged from 32 to 67. Use the range rule of thumb to estimate the
   standard deviation of the members' ages.
      A) 24.8   B) 50   C) 17.5   D) 8.8

8) Given that the mean of a set of data is 25 and the standard deviation is 3, what is the   8) _____
   coefficient of variation?
      A) 8.33   B) 12%   C) 833%   D) 12

9) A sample of apples has a mean weight of 151.4 grams and standard deviation of 14.1   9) _____
   grams. A sample of grapes has a mean weight of 3.94 grams and standard deviation of
   0.56 grams. Which of the two samples has a larger variability?.
      A) Apples   B) Grapes

1) C
2) C
3) D
4) A
5) A
6) A
7) D
8) B
9) B