**Multiple Choice Answer Key**

# Exploring Microsoft Excel 2016, Chapter 8

1. A workbook contains sales information for the first quarter and you are interested in finding the total sales generated in January by the sales rep Jim Anderson. What function is best suited to handle the task?

**a. SUMIFS**

2. What function would you use to identify a value’s rank as a percent, excluding 0 and 1?

**b. PERCENTRANK.EXC**

3. What does a negative COVARIANCE indicate?

**c. An inverse relationship between the datasets**

4. A worksheet contains sales dollars for agents with your company. The values are $1250, $1090, $985, $985, $880, $756, $675, $650, and $600. Using the RANK.AVG function that is considered a best practice, what is the rank of the third values which are both 985?

**c. 2.5**

5. What function would you use to calculate the strength of a relationship between two or more variables?

**b. CORREL**

6. You hypothesize that there is a relationship between lack of regular exercise and illness. To research this theory, you have compiled a sample set of data that contains numbers of days in which an hour or more of exercise is completed as well as numbers of days sick within a calendar year. What tools in Excel could you use to investigate the relationships between the data?

**a. CORREL**

**c. VAR.S**

7. Which of the following functions has the ability to calculate the µ (mu) of a dataset based on a user defined set of criteria?

**d. AVERAGEIFS**

8. What is the difference between STDEV.S and STDEV.P?

**a. STDEV.S calculates standard deviation of a sample; STDEV.P calculates the standard deviation of a population.**

9. What is the difference between a sample and a population?

**b. A population contains all data you want to evaluate, while a sample contains a portion of the data.**

10. What keystroke combination is required to calculate a Frequency data array?

**c. Ctrl+Shift+Enter**