**Review Questions Chapter 2**

**Textbook Fundamentals of Python: First Programs; by Kenneth A. Lambert;2nd Edition, Copyright 2019**

**What does a programmer do during the analysis phase of software development?**

Codes the program in a particular programming language

Writes the algorithms for solving a problem

Decides what the program will do and determines its user interface

Tests the program to verify its correctness

What must a programmer use to test a program?

All possible sets of legitimate inputs?

All possible sets of inputs

A single set of legitimate inputs

A reasonable set of legitimate inputs

**What must you use to create a multi-line string?**

A single pair of double quotation marks

A single pair of single quotation marks

A single pair of three consecutive double quotation marks

Embedded newline characters

**What is used to begin an end-of-line comment?**

/ symbol

# symbol

% symbol

**Which of the following lists of operators is ordered by decreasing precedence?**

+ , \* , \*\*

\* , / , %

\*\* , \* , +

**The expression 2 \*\* 3 \*\* 2 evaluates to which of the following values?**

64

512

8

**The expression round(23.67) evaluates to which of the following values?**

23

23.7

24

**Assume that the variable name has the value 33. What is the value of name after the assignment name = name \* 2 executes?**

35

33

66

**Write an import statement that imports just the functions sqrt and log from the math module.**

from math sqrt, log

**What is the purpose of the dir function and the help function?**

**dir function: to discover set of methods that an object recognizes**

**help function: to learn how to use a function’s arguments**