



Your Name: \_\_\_\_\_

ID#: \_\_\_\_\_

**Take Home: Quiz 2 (15 pts) - Introduction to Computer Programming and C**

1. (1 pts) What is a *comment* in C? Explain.

A comment is part of documentation and it is an explanation or annotation for coder to read. A comment will not be executed.

2. (1 pts) What is a *variable* in C? Explain.

A variable is like a storage location which holds the value of the variable.

3. (2 pts) What is the *main()* in C? Explain.

See Quiz 1.

4. (2 pts) What is a function in C? Explain.

A function has a sequence of instructions to perform a task.

5. (6 pts) Provide each result for the following C language expressions. Numbers listed without a decimal point are considered integer values and ones with a decimal point are considered double precision floating-point values.

- a.  $12 \% 13$              $=$  12
- b.  $-8 / 3$                  $=$  -2
- c.  $7.0 / 3$                 $=$  2.33
- d.  $16 \% 3$                 $=$  1
- e.  $7 + 3 * -2$             $=$  1
- f.  $5.5 - 7 / 7.0 + 12.45 * 2$     $=$  29.4

6. (3 pts) What C data types should be used to *best* represent the following? For each blank, you may list *int*, *double*, or *char* only. These types may be used multiple times.

- a. The number of employees at WSU on any given day? \_\_\_\_\_ int \_\_\_\_\_
- b. The precise number of centimeters in an inch? \_\_\_\_\_ double
- c. A letter grade in a course? \_\_\_\_\_ char \_\_\_\_\_