

CISC 105 sections 010-021 (Conrad)
Midterm 2 Practice Questions
November 14, 2003

Name_____

Please circle your section number (refer to table below if you are not sure):

010 011 012 013

014 015 016 017

018 019 020 021

1. Short Answer

- (a) (2 pts) What conversion specifier do you use when doing a `scanf` of a `double` variable?
- (b) (2 pts) In the expression `sqrt(x + 1)`, what is the *argument of the function*?
- (c) (2 pts) In the expression `sqrt(x + 1)`, what is the *variable*?
- (d) (2 pts) In the expression `sqrt(x + 1)`, what is the *constant*?
- (e) (2 pts) In the expression `sqrt(x + 1)`, what is the *operator*?
- (f) (2 pts) Three parts of a for loop, in alphabetical order, are the *increment*, the *initialization*, and the *test*. In what order (from left to right) do they actually appear?

2. Multiple Choice

- (a) (1 pts) Which of the following is a function prototype?

(a) `y = sqrt((double) x);` (b) `double sqrt(double x);` (c) `return retVal;`

(b) (1 pts) Which of the following is a function call?

(a) `y = sqrt((double) x);` (b) `double sqrt(double x);` (c) `return retVal;`

(c) (1 pts) Which of the following contains an “explicit cast”?

(a) `y = sqrt((double) x);` (b) `double sqrt(double x);` (c) `return retVal;`

(d) (1 pts) When you call a function, does the size of the run-time stack increase or decrease?

(a) increase (b) decrease

3. Suppose you have a C program in a file named `myprog.c`

What Unix command do you enter to perform each of the following operations?

(a) (1 pts) Suppose the file contains a reference to the `sqrt()` function from the library `math.h`. How would you compile this program?

