Name:

Please remember you must follow instructions exactly in this course. Failure to follow these instructions will result in a failing grade on this quiz.

Do your work in this directory:

/data/courses/ece\_1111/current/quizzes/qu\_06/lastname\_firstname

Make sure your directory permissions are set so that only you can view the contents of the directory.

1. Create a C program that does the following:

p02.exe 1 2 3 4 5 6

sum product = 32

p02.exe 2 4 6 8

sum product = 44

p02.exe 1 2 3 4 5

error: must specify an even number of operands

If the number of operands is even, you compute the sumproduct of the first half with the second half. In the first two examples:

sum product = 1 \* 4 + 2 \* 5 + 3 \* 6 = 32

sum product = 2 \* 6 + 4\*8 = 44

In the third example, an error message is produced because the number of operands is 5, which is an odd number.

Your program should include a function named *is\_even()* that returns a bool value of true if the argument is an even number, and returns false if the argument is odd. Your main program calls this function and prints an error message if necessary.

Your implementation should include a main program named *p02.cc*. Your implementation of *is\_even()* should be in a file *p02\_00.cc*. The function definition should be in the header file, *p02.h*. Everything should compile and link with a Make file.