Name:

Please remember you must follow instructions exactly in this course. Submit your code in the usual place on the class server – *qu\_05/lastname\_firstname/*.Your main program must be called *p01.cc*. Your functions should be in a file *p01\_00.cc*. Your header file should be called *p01.h*. Your binary must be called *p01.exe*. You must use a make file – the command “make” generates *p01.exe*.

The requirements for this program are:

In this directory:

/data/courses/engr\_2011/current/quizzes/qu\_05/picone\_joseph

You will find two test files – *example\_00.txt* and *example\_01.txt*. You can use these to debug your code.

Write a program that opens the file specified as the first argument, argv[1], reads the file and adds an arbitrary number of integers on a line. It should print out the line number and the sum of the numbers. For example:

ece-000\_[1]: more example\_00.txt

0 0 0 1

0 1

0 0 1

1

0 0 1

must produce this output:

ece-000\_[1]: p01.exe example\_00.txt

0001: sum = 1

0002: sum = 1

0003: sum = 1

0004: sum = 1

0005: sum = 1

Your program only needs to work for signed and unsigned integers. The number of numbers on each line can vary from 1 to 999999999 ☺ The sum can range from [-231, 231-1]. Be sure to check your program on file *example\_01.txt* to make sure it is working properly.