

Lab 08, CSCI 2150

Instructions

The purpose of this lab is to implement Newton's method and the Secant method to approximate a root of $f(x)$, where $f(x)$ is defined in the .m file associated with this lab. The .m file and other associated file(s) for this lab are posted on eLC.

We will run the program for this lab assignment using command line arguments (this is a requirement). To run the program using the command line, you should open up a command prompt (Windows) or terminal (Mac) and cd into your folder for this lab (ask your TA if you need help with this). We will run the program for this assignment with the command line arguments as shown in the examples posted on eLC.

After you finish correctly implementing the .m file posted on eLC, your program's input and output must look like the examples posted on eLC. Each example is a separate run of a correctly working program. Your program must work for any valid command line argument(s).

Submission

Before submitting a program to us for grading, you must test that your program works correctly with the examples provided and other examples you run and work out by hand (not provided in this document). Once you correctly implement an algorithm, it should work for all valid inputs. When you are finished, submit your .m file to eLC for grading before its deadline stated on eLC. After you submit your file on eLC, double check in eLC that you submitted the correct version of that file. Points will be deducted for late submissions.