

Write a MATLAB function that uses the bisection method to solve

$f(x) = 0$ when $f(x) = x^3 - x - 1$ on $[1, 2]$ with a tolerance of 10^{-4} .

Your function should display the approximations to x as well as $f(x)$

Name your m file using the following format.

`WS1_LastName_FirstInitial(a,b,N,tol)`

Where N is the maximum number of iterations, $\text{tol} = 10^{-4}$ and a and b are the interval end points.

Upload your MATLAB code file to the corresponding Dropbox folder on by Monday 8/31 before 10:45am.