
1: Newton-Raphson method (90 pts)

Add your Newton-Raphson function to your library. Things to keep in mind:

- Name Your function **NewtonRaphson**
- Use this order for your parameter list:
 1. initial guess, **x**
 2. tolerance, **tol**
 3. maximum iterations, **Maxit**
 4. function, **f**
 5. function derivative, **df**
- The Newton-Raphson declaration belongs in the RootFinding class with Bisect.
- The Newton-Raphson code belongs in the same .cpp file as the Bisect code.
- Call NewtonRaphson the same way you called Bisect in the **main()**
- You will need to pass in pointers to the functions f and df. Define df in the same manner as f in the .cpp file containing the **main()**.

2: Test your library (10)

Test your Newton-Raphson code on the function covered in slide 4 of lecture 12. Report the value of the root.

Submission Details:

Submit a **.zip** file of your visual studio project to Canvas.