

Assignment 1 report

Complex. h file:

In this file define every function that will be used in the main file.

Complex. c file:

In this file write down what can the functions do in the main file.

Quadratic_equation_verifier:

In this main file, I first define every coefficient that will be used to calculate and thus code and print out.

Secondly, in case that printing out wrong sign of the equation, I have to consider every case of a , b and c .

And according to the value of discriminant (>0 , $=0$, <0), divide into three parts and print out two roots after calculation.

Lastly, use the function defined in complex. h file, check the value of two roots, and do the verification: if the value of roots smaller than 0.000001 , print Quadratic equation solution is a pair of valid roots. Verification succeeds, else print Quadratic equation solution is not a pair of valid roots. Verification failed.