Header file:

First, declare the structure complex and then list all the functions required by the assignment. In complex, 're' is used to represent the real part, while 'im' represents the imaginary part.

Complex.c:

After the header file is finished, the functions listed in the header file are defined here. The functions are mostly designed to do arithmetic operations of complex numbers.

quadratic_equation_verifier_D1228817.c:

This is where the equation is printed out and where the roots are verified. When printing out the roots, conditional statements are used to make sure the equation is printed out using the pretty printing format. As for verification, the roots are substituted into the quadratic equation, and tested if the absolute value is less than the accepted number.