

Project # 1

1) Write a computer program for solving the quadratic equation

$$az^2 + bz + c = 0, a \neq 0.$$

Use as inputs the real and imaginary part of a, b, c and print the solution.

2) Solve $z^2(1-z)^2 = 16.$

$$\text{Ans: } \left[z = -\frac{3}{2} \pm \frac{\sqrt{7}}{2}i, \frac{3}{2} \pm \frac{\sqrt{7}}{2}i \right]$$