# Program 58b

## (roots)

**Program Description:** You can find the roots of a quadratic equation in the form:

$$Ax^2 + Bx + C = 0$$

By using the quadratic formula

$$\text{Root} = -B+- \sqrt{B2-4AC} \ /2a$$

Write a program that inputs three integers A, B, and C on a single line and then outputs the roots of an equation using the quadratic formula. Your program needs to be concerned with real roots.

**Statements required:** input, output, assignment

**Sample Output:**

Quadratic Equation Solver
Enter A, B, C [all on one line] 1 5 6
The roots are: -3.0, -2.0

Quadratic Equation Solver
Enter A, B, C [all on one line] 1 1 -2
The roots are: -2.0, 1.0

Quadratic Equation Solver
Enter A, B, C [all on one line] 1 1 -6
The roots are: -3.0, 2.0