**A+ Computer Science QUADRATIC EQUATION**

**Lab Goal :** This lab was designed to teach you more about objects, input, output formatting, and the Math class.

**Lab Description :** Given the values of a quadratic equation, calculate the two possible answers.



**Sample Data :**

**Files Needed ::**

**Quadratic.java**

**QuadracticRunner.java**

5 -8 3

3 2 -7

9 6 1

**Sample Output :**

***Additional Test Data***

7x^2-2x-3=0

roots :: 0.81 -0.52

1y^2-6y-1=0

roots :: 6.16 -0.16

Allow .01 variance on the answers.

Enter a :: 5

Enter b :: -8

Enter c :: 3

rootone :: 1.00

roottwo :: 0.60

Enter a :: 3

Enter b :: 2

Enter c :: -7

rootone :: 1.23

***FORMATTING OUTPUT***

**//printf is a void method**

**System.out.printf(**"**%.3f\n**"**,9.541724); //outs 9.542**

**//format is a String return method**

**System.out.println(String.format(**"**%.3f**"**,9.541724)); //outs 9.542**

roottwo :: -1.90

Enter a :: 9

Enter b :: 6

Enter c :: 1

rootone :: -0.33

roottwo :: -0.33