```
package src.com;
// java program to find the root of the quadratic equation
import java.io.*;

import static java.lang.Math.*;

public class Day8 {

   static void findRoots(int a,int b, int c){

      // if a is 0 then quadratic but linear
      if(a==0){
         System.out.println("Invalid");
         return;
      }

      int d=b-4*a*c;
      double sqrt_val= sqrt(abs(d));

      if(d<0){
         System.out.println(" Roots are real and different ");

         System.out.println((double)(-b+sqrt_val)/(2*a)+"\n" + (double)(-b-sqrt_val)/(2*a));
      }
      else if(d==0){
         System.out.println(" Roots are real and same ");

         System.out.println(-(double)b/(2*a) + "\n" + -(double)b/(2*a));
      }
      else{
         System.out.println(" Roots are complex");

         System.out.println(-(double)b/(2*a) + " + i" + sqrt_val /(2*a) + "\n" + -(double)b/(2*a) + " - i"
          + sqrt_val/(2*a));
      }
   }

   public static void main(String[] args) {
      int a=1, b=8,c=12;
      findRoots(a,b,c);
   }
}
```