Develop a Jana Pragram that prints all real solutions to the quadratic ax' + 6x + c = 0. Read in a, b, c & use the quadratic formula.

If the discriminate b'- yes is -ve, display a message stading that there are no real solutions.

impost java. util. scanner; class quad 3

public static void main (string ange [])

{
System.out. print ln ("Enter the cofficients

a & b & c of quadratic equation

ax² +bx+c=a & where a * 0");

scanner sc = new Scanner (system.in);

double a = sc. next Int();

if (a = = 0)

{

System. out. println("a can't be zero");

else

{

double b = sc. next Int();

clouble C = sc. next Int();

double z = ab*b-y*a*c;

Equation eq = new Equation();

```
if (2<0)
          system. out. printlu!" There are no real
                                             solutions");
        else if (z = = 0)
              8 ystem. och. printlul "The solutions one
                                    real & equal");
               eq. check (a,b,c);
              eq. display ();
          else
           3
              System. out. println (" The Solutions era
                                     real and distuct"
              eq. check (a, b, c);
              eq. display ();
1
class Equation
  double
  gample p;
  double ci
  double ni;
  double 1/2;
  void check (double a, double b, double c)
    5
```

```
this. a = a';

this. b = b';

this. c = c';

double z = Math. pow(b*b-4*a*c, 0.5);

M_1 = (-b-2) / (2*a);

M_2 = (-b+2) / (2*a);

M_3 = (-b+2) / (2*a);

M_4 = (-b+2) / (2*a);

M_5 = (-b+2) / (2*a);

M_6 = (-b+2) / (2*a);

M_6
```