Write algorithm to calculate to find root1 and root2.

Step 1: Start

Step 2: Take the values of a, b and c

e.g. a= 2, b=20, c=5

Step 3: Perform the multiplication : 4ac i.e : mul1 = 4\*a\*c

e.g. mul1 = 4\*2\*5 = 40

Step 4: Perform the square root of b i.e VAL = b\*b

e.g. VAL = 20\*20 = 400

Step 5: square root of (VAL -mul1) i.e. sq = (VAL -mul1) \*\* (1/2)

e.g. sq = (400-40)^0.5 = 18.97

Step 6: Now Finds the root1 and root2

root1 = ( (-b) +(sq))/2\*a

root2 = ( (-b) -(sq))/2\*a

e.g. root1 = ((-20) + (18.97))/2\*2 = -0.2575

e.g. root2 = ((-20) - (18.97))/2\*2 = -9.7425

Step 7 : Display value : r1 = root1 and r2 = root2

Root1 = -0.2575

Root2 = -9.7425

Step 8:  Stop