1. **Step-by-Step Description**

**Step 1:** Identify the values of the coefficients a, b, and c.

**Step 2:** Calculate the **delta** using the formula:

Δ=b^2−4\*a\*c

**Step 3:** Consider the following cases based on the value of ΔΔΔ:

* **If Δ<0**: The equation has **no real solution**.
* **If Δ=0**: The equation has **one double root**:

x = -b/2a

* **If Δ>0**: The equation has **two distinct real roots**:

x1 = (-b + sqrt(delta))/2a

x2 = (-b - sqrt(delta))/2a

**Step 4:** Conclude and provide the appropriate solution(s).

1. **Pseudocode**

START

INPUT a, b, c

Δ = b^2 - 4 \* a \* c

IF Δ < 0:

PRINT "The equation has no real solution"

ELSE IF Δ == 0:

x = -b / (2 \* a)

PRINT "Double root: x =", x

ELSE

x1 = (-b + sqrt(Δ)) / (2 \* a)

x2 = (-b - sqrt(Δ)) / (2 \* a)

PRINT "Two distinct real roots: x1 =", x1, ", x2 =", x2

END