

Solution Code

```
#include <iostream>
#include <cmath>
Using namespace std;

Int main()
{

    Float a, b, c, x1, x2, determinant, realPart, imaginaryPart;
    Cout << "Enter coefficient a :: ";
    Cin >> a ;
    Cout << "\nEnter coefficient b :: ";
    Cin >> b ;
    Cout << "\nEnter coefficient c :: ";
    Cin >> c ;

    Determinant = b*b – 4*a*c;

    If (determinant > 0)
    {
        X1 = (-b + sqrt(determinant)) / (2*a);
        X2 = (-b – sqrt(determinant)) / (2*a);
        Cout << "\nRoots are real and different." << endl;
        Cout << "\nx1 = " << x1 << endl;
        Cout << "\nx2 = " << x2 << endl;
    }
}
```

Solution Code

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