```c
#include <stdio.h>
#include <math.h>
int main(){
    int a, b, c;
    long d;
    scanf("%dx^2 + %dx + %d", &a, &b, &c);
    // b*b may be larger than an integer
    d = (long)b*b - 4*(long)a*c;
    // Can use printf expressions inside ternary statements too
    // printf("Hello"); is a statement but
    // printf("Hello) (without ;) is actually an expression
    // The value of a printf expression is
    // the number of characters that got printed :)
    (d >= 0)? printf("Real\n") : printf("Complex\n");

    printf("%ld\n",d);

    if(d >= 0)
        printf("%0.3f\n%0.3f",(-(double)b + sqrt(d))/(2*a),(-(double)b - sqrt(d))/(2*a));
    else{ // Brackets necessary since two printf statements inside
        printf("%0.3f+%0.3fi\n",-(double)b/(2*a),sqrt(-d)/(2*a));
        printf("%0.3f-%0.3fi\n",-(double)b/(2*a),sqrt(-d)/(2*a));
    }
    return 0;
}
```