

```
#include <stdio.h>
```

```
int quadroots(double a, double b, double c,  
              double *r1, double *r2);
```

```
int main()
```

```
{
```

```
    double a, b, c, r1, r2;
```

```
    scanf("%lf", &a);
```

```
    scanf("%lf", &b);
```

```
    scanf("%lf", &c);
```

```
    int ret;
```

```
    ret = quadroots(a, b, c, &r1, &r2);
```

```
    if (ret < 0)
```

```
    {
```

```
        printf("The roots we can't find\n");
```

```
    }  
    else
```

```
    {
```

```
    }
```

```
}
```

a

10

b

20

c

30

ret

2

r1

12

r2

13

-,

...

```
int quadroots (double a, double b
               double c, double *r1p,
               double *r2p)
```

```
{
```

```
→ double r1, r2;
```

```
    r1 = -b + sqrt
```

```
    numRoots =
```

```
    *r1p = r1;
```

```
    *r2p = r2;
```

```
    return numRoots;
```

```
}
```

numRoots

2

returning the
answer thro the
pointers

r1 1.7

r2 1.3

a 1.0
b 2.0
c 3.0
r1p 1.0
r2p 1.0