3

```cpp
#include <iostream>
#include <cmath>

using namespace std;

int main() {
    double a, b, c;
    cout << "Введите длину стороны a:";
    cin >> a;
    cout << "Введите длину стороны b: ";
    cin >> b;
    cout << "Введите длину стороны c: ";
    cin >> c;

    double median_a = 0.5 * sqrt(2 * (b * b + c * c) - a * a);
    double median_b = 0.5 * sqrt(2 * (a * a + c * c) - b * b);
    double median_c = 0.5 * sqrt(2 * (a * a + b * b) - c * c);

    cout << "Длина медианы a: " << median_a << endl;
    cout << "Длина медианы b: " << median_b << endl;
    cout << "Длина медианы c: " << median_c << endl;

    return 0;
}
```
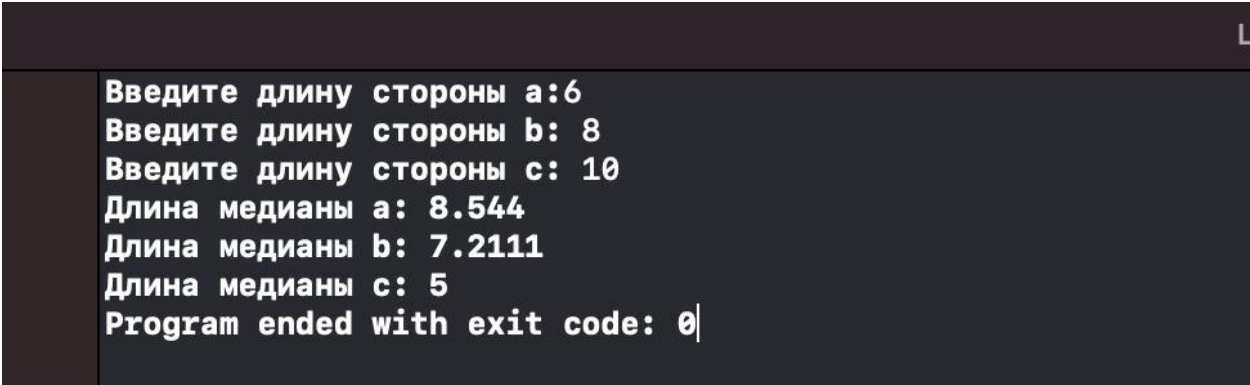
```
Введите длину стороны a:6
Введите длину стороны b: 8
Введите длину стороны c: 10
Длина медианы a: 8.544
Длина медианы b: 7.2111
Длина медианы c: 5
Program ended with exit code: 0
```
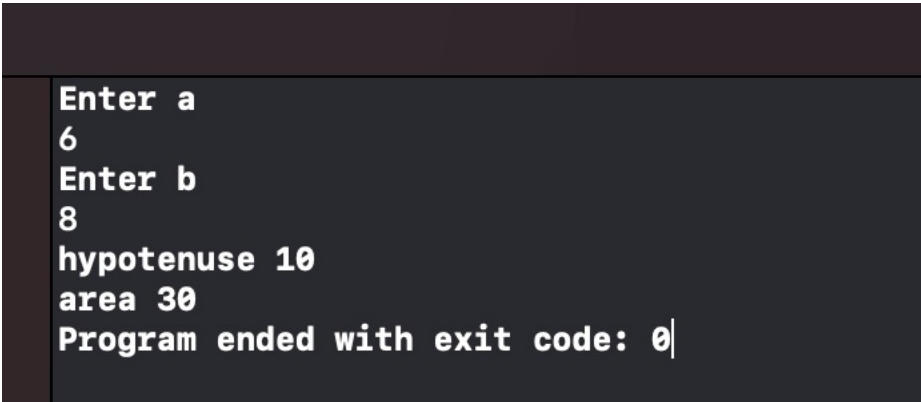
25

```cpp
#include <iostream>
#include <cmath>

using namespace std;
int main(){
    int a;
    int b;
    cout << "Enter a " << endl;
    cin >>a;
    cout<< "Enter b " <<endl;
    cin>>b;

    double hypotenuse = sqrt(a*a+b*b);
    cout<<"hypotenuse "<<hypotenuse<<endl;;

    double area = a*hypotenuse/2;
    cout<<"area "<< area<<endl;
}
```

```
Enter a
6
Enter b
8
hypotenuse 10
area 30
Program ended with exit code: 0
```

43

```cpp
#include <iostream>
#include <cmath>
using namespace std;
int main(){
    double side_length;
    cout << "Enter the side length ";
    cin>>side_length;
    double area = (side_length*side_length * sqrt(3))/4;
    double insc_radius = (side_length / 2) * sqrt(3);
    double circm_radius = (side_length / sqrt(3));
    cout<< "Area: "<< area<<endl;
    cout<<"radius1: " << insc_radius<<endl;
    cout<<"radius2: " << circm_radius<<endl;;

}
```

```
Enter the side length 10
Area: 43.3013
radius1: 8.66025
radius2: 5.7735
Program ended with exit code: 0
```