

//Create a class of a right angled triangle and calculate its Area and Perimeter

```
#include <iostream>
```

```
#include <math.h>
```

```
using namespace std;
```

```
class Triangle
```

```
{
```

```
    int base, height;
```

```
public:
```

```
    void set_triangle()
```

```
    {
```

```
        cout << "Base : ";
```

```
        cin >> base;
```

```
        cout << "Height : ";
```

```
        cin >> height;
```

```
    }
```

```
    float get_area()
```

```
    {
```

```
        return 0.5*base*height;
```

```
    }
```

```
    float get_perimeter()
```

```
    {
```

```
        return base + height + sqrt(base*base + height*height);
```

```
    }
```

```
};
```

```
int main()
```

```
{
```

```
    Triangle t;
```

```
    t.set_triangle();
```

```
    cout << "Area : " << t.get_area() << endl;
```

```
    cout << "Perimeter : " << t.get_perimeter() << endl;
```

```
}
```

OUTPUT:

Base : 3

Height : 4

Area : 6

Perimeter : 12