Ques 1: Function Overloading

Write a CPP program for calculating the area of different geometrical shapes. (like circle, square, rectangle, cuboid)
Note:- Create a class which takes input parameters and in that class, create some functions to calculate the area of different geometrical shapes (name of each function should be same as "Area").

Input

```
3

5

7

3

3

4

5
```

Output

```
Area of the Circle is: 28.278sq.units

Area of the Square is: 25sq.units

Area of the Rectangle is: 21sq.units

Area of the cuboid is: 94sq.units
```

Input

```
15

32

10

63

8

9

11
```

Output View

```
Area of the Circle is: 706.95sq.units

Area of the Square is: 1024sq.units

Area of the Rectangle is: 630sq.units

Area of the cuboid is: 518sq.units
```

Ques 2: Operator Overloading

Write a CPP program using Operator Overloading to add and subtract two complex numbers.

Note :- Create a class in which you have to make a function to get the complex values and use operator overloading to add and subtract the two complex numbers.

Input

14
8
20
6

Output

Input Values:
14+8i
20+6i
Result:
34+14i
-6+2i

Input

15
10
3
6

Output

Input Values:
15+10i
3+6i
Result:
18+16i
12+4i