



## ☆ Complex Numbers

WAP to overload +, -, \* and / to add, subtract, multiply and divide two complex numbers

### Sample Input

4 6

2 1

1 2

3 2

### Sample Output

7-1i



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🕒 01h : 39m : 58s  
to test end



In first line, first number is the real part and 2nd number is the imaginary part of first complex number.

In second line, first number is the real part and 2nd number is the imaginary part of second complex number.

In third line, first number is the real part and 2nd number is the imaginary part of third complex number.

In forth line, first number is the real part and 2nd number is the imaginary part of forth complex number.

### Sample Output

is the result of  $C1+C2-C3*C4$

means  $(4+6i)+(2+1i)-(1+2i)*(3+2i)$

### YOUR ANSWER

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The timer will pause up to 90 seconds for the tour.



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Original code

C++



```
1 ▶ #include <iostream>
2 using namespace std;
3 class complex
4 {
5     int r,i;
6     public:
7     int j,k;
```

```

8      complex()
9      {
10     cin>>r>>i;
11     }
12     complex operator+(complex c)
13     {
14         complex t;
15         t.r=r+c.r;
16         t.i=i+c.i;
17         return t;
18     }
19     complex operator-(complex c)
20     {
21         complex t;
22         t.r=r-c.r;
23         t.i=i-c.i;
24         return t;

```



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to test end



1

2

3

4

5

6

7

```

28     {
29         complex t;
30         t.r=r*c.r;
31         t.i=i*c.i;
32         return t;
33     }
34     void show()
35     {
36         cout<<r<<"-"<<i<<'i';
37     }
38 };
39 int main() {↔}

```

Line: 7 Col: 1

☐ Test against custom input

Run Code

Submit code & Continue

(You can submit any number of times)

[Download sample test cases](#)  
Notepad to edit them on windows.

The input/output files have Unix line endings. Do not use