

Area of Shapes

Problem	Submissions	Leaderboard	Discussions
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Write a C Program to determine the area of a square, circle and a triangle taking length, radius and base and height respectively from user input.

Input Format

- The first line of the input refers to the length any side of a square.
- The second line of the input refers to the radius of the circle.
- The third line of the input refers to the base and height of a triangle.

Constraints

- Area of a circle will return a float value since pi takes the value of 3.14 which is a float value.
- Area of a triangle will return a float value due to the presence of 0.5 in the equation.

Output Format

- The first line of the output displays the area of the square.
- The second line of the output displays the area of the circle.
- The third line of the output displays the area of the triangle.

Sample Input 0

6
4
3 4

Sample Output 0

36
50.24
6.00

f t in

Submissions: 42

Max Score: 10

Difficulty: Easy

Rate This Challenge:

☆☆☆☆☆

More

Current Buffer (saved locally, editable) C

```
1 #include <stdio.h>
2 #include <string.h>
3 #include <math.h>
4 #include <stdlib.h>
5
6 int main() {
7
8     int length,radius,base,height,areaofsq;
9     float areaofcirc,areaoftri;
10
11     scanf("%d%d%d%d",&length,&radius,&base,&height);
12
13     areaofsq=length*length;
14     areaofcirc=3.14*radius*radius;
15     areaoftri=0.5*base*height;
```

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```
printf("%d\n",areaofsq);
printf("%.1f\n",areaofcirc);
printf("%.2f\n",areaoftri);

return 0;
}
```

Line: 1 Col: 1

Upload Code as File

☐ Test against custom input

Run Code

Submit Code

Testcase 0

Congratulations, you passed the sample test case.

Click the Submit Code button to run your code against all the test cases.

Input (stdin)

6
4
3 4

Your Output (stdout)

36
58.2
6.00

Expected Output

36
58.2
6.00