

Area of different shapes

Define multiple functions with name **area**, these functions should be able to find the area of circle (if argument is of type float), rectangle (if there are two arguments of type double), square (if there is one argument of type double).

Input Format

First line will contain name of the shape

Second line will contain dimensions:

for circle - one floating point number

for rectangle - two floating point numbers

for square - one floating point number

Constraints

1 <= all values <= 1000

Output Format

One number representing the area of given shape correct up to two decimal places.

Sample Input 0

```
circle
10.0
```

Sample Output 0

```
314
```

Sample Input 1

```
rectangle
10.0 11.11
```

Sample Output 1

```
111.1
```

Sample Input 2

```
square
10.1
```

Sample Output 2

