Area of a Circle

Input file:	standard input
Output file:	standard output
Time limit:	1 second
Memory limit:	256 megabytes

Given a number *R* calculate the **area** of a circle using the following formula:

Area = π * R2.

Note: consider **π = 3.141592653.**

Input

Only one line containing the number *R* (1 ≤ *R* ≤ 100).

Output

Print the calculated **area**, with **9** digits after the decimal point.

Example

standard input	standard output
2.00	12.566370612

Note

* Use the data type double for this problem.

** Use setprecision **(** 9) to print 9 digits after decimal point.

*** you can use function **setprecision** that are in **#include<iomanip>** library for Example :

```
#include<iostream>
#include<iomanip>
using namespace std;
int main()
{
     cout << fixed << setprecision(9);
     // your code.
}
```