## Circle Area (12 Digits Precision)

Write program to enter a radius r (real number) and **print the area** of the circle with exactly **12 digits** after the decimal point. Use data type of **enough precision** to hold the results.

### Examples

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Input** | **Output** |  | **Input** | **Output** |
| 2.5 | 19.634954084936 |  | 1.2 | 4.523893421169 |

### Hints

* You might use the data type double. It has precision of 15-16 digits.
* To print the output with exactly 12 digits after the decimal point, you might use the following code:

