## Geometry Calculator

Write a program that can **calculate the area** of **four different geometry figures** - triangle, square, rectangle and circle.

**On the first line** you will get the **figure type**. Next you will get parameters for the chosen figure, **each on a different line**:

* Triangle - side and height
* Square - side
* Rectangle - width and height
* Circle - radius

The output should be rounded to the second digit after the decimal point:

### Examples

|  |  |
| --- | --- |
| **Input** | **Output** |
| triangle  3  6 | 9.00 |
| rectangle  4  5 | 20.00 |