
Computing Areas

X88172_en

Write a function `area(type, a, b)` that receives a string `type` (which may be "rectangle", "triangle", or "circle") and two real numbers `a` and `b`, and computes the area of the given shape.

- If `type` is "rectangle", `a` and `b` are the width and height of the rectangle, respectively.
- If `type` is "triangle", `a` and `b` are the base and height of the triangle, respectively.
- If `type` is "circle", `a` is the radius of the circle, and `b` is ignored.

Important: Only the function is expected. If your submission includes a main program, it has to be either commented out, or under the condition `if __name__ == "__main__":`

Observation

To get the value of π , add a line with `'import math'` at the top of your file, and then use `math.pi` when needed.

Problem information

Author: ProAl1 professors

Generation: 2026-01-25T17:01:57.457Z

© Jutge.org, 2006–2026.

<https://jutge.org>