
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

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