Challenge - Area and Volume Calculator

The object of this challenge is to create functions that can accept arguments and return values.

Mild 🌶️

Create 2 functions from the following choices:

Function	Input	Output
Rectangle Area	`l` (length) `w` (width)	`area`
Triangle Area	`b` (base) `h` (height)	`area`
Circle Area	`r` (radius)	`area`

Then create a program that satisfies the following requirements:

- For each function you created:
  - The user provides input.
  - The program uses your function to calculates the area of that shape.
  - The program outputs a message displaying the calculated area and what shape that area is for.

Medium 🌶️ 🌶️

Create the following function:

Function	Input	Output
Circle Area	`r` (radius)	`area`

For your function create 3 tests using `pytest`:

- The function must have at least one test that `asserts` that 2 values are approximately equal.
- The function must have at least one test that `asserts` that 2 values are not approximately equal.

Then create a program that satisfies the following requirements:

- For each function you created:
  - The user provides an input.
  - The program uses your function to calculate slope.
  - The program outputs a message displaying the calculated area.

Spicy 🌶️ 🌶️ 🌶️

Create the following 2 functions:

Function	Input	Output
Cylinder Volume	`r` (radius) `h` (height)	`volume`
Cylinder Surface Area	`r` (radius) `h` (height)	`surface_area`

For each of your functions create 2 tests using `pytest`:

- Each function must have one test that `asserts` that 2 values are approximately equal.
- Each function must have one test that `asserts` that 2 values are not approximately equal.

Then create a program that satisfies the following requirements:

- For each function you created:
  - The user provides an input.
  - The program uses your function to calculate slope.
  - The program outputs a message displaying the calculated value and what the value is *(for example, volume of a cylinder)*.