Roll the Cylinder

ZPRAC-16-17-Lab2

[30 points]
Samik loves playing with the geometrical objects. He needs your help for finding some properties of a given cylinder. You are given *radius(r)*, *height(h)* of a solid cylinder which are positive integers. You need to calculate the following:

1. Volume of the cylinder
2. Curved surface area of the cylinder.
3. Total surface area of the cylinder.

Input:

Input contains 2 positive integers r and h ($0 \leq r, h \leq 500$).

Output:

Output the above mentioned measures in the following format(upto 2 decimal points) -

Curved Surface Area : <your answer>

Total Surface Area : <your answer>

Volume : <your answer>

Note - Assume value of π to be 3.14159

Example:
Input:
1 2
Output:
Curved Surface Area : 12.57
Total Surface Area : 18.85
Volume : 6.28