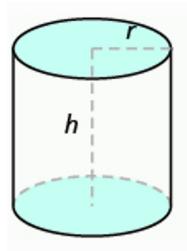
PFDS: FINAL EXAM -- TERM ONE (QUESTION 4)

Part One: Write a program that uses one function to compute the surface area and volume of a cylinder.

• Test Case: r = 5 inches and h = 20 inches

Part Two: Write a program that uses two functions (one that is called inside the other) to compute the surface area and volume of a cylinder.

• Test Case: r = 5 inches and h = 20 inches



r = int(input("Input the radius: "))
h = int(input("Input the height: "))

Volume: $V = \pi r^2 h$ or V = BhSurface Area: $S = 2\pi r^2 + 2\pi rh$

return ((2 * math.pi * (r**2)) + (2 * math.pi * r * h), find_volume(r,h))

```
print(f"Surface Area: {find_surface_area(r,h)[0]:.2f}")
print(f"Volume: {find_surface_area(r,h)[1]:.2f}")

Input the radius: 5
Input the height: 20
Surface Area: 785.40
Volume: 1570.80
```

In []: