Let's try!

In physics, the displacement of a moving body represents its change in position over time while accelerating.

- Given initial velocity v_0 in m/s, acceleration a in m/s^2, and elapsed time t in s, the displacement of the body is:
- Displacement = $v_0 t + \frac{1}{2} a t^2$

Write a method `displacement` that accepts v_0, a, and t and computes and returns the change in position.

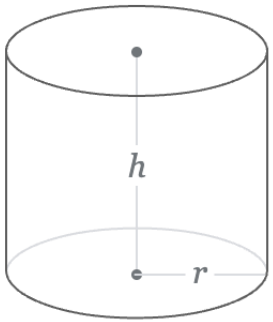
- example: `displacement(3.0, 4.0, 5.0)` returns `65.0`

Brandeis

Let's try!

The surface area of a cylinder

- surface area = $2\pi rh + 2\pi r^2$



Write a method `calAreaCylinder` that accepts r, and h and computes and returns the surface area including the fractional part to two decimal points.

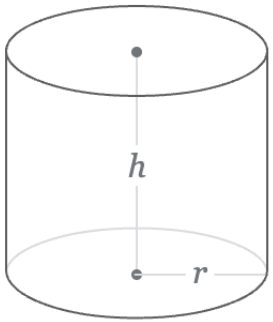
- example: `calAreaCylinder(4,10)` returns `351.86`

Brandeis

Let's try!

The volume of a cylinder

- volume = $\pi r^2 h$



Write a method `calVolCylinder` that accepts r, and h and computes and returns the volume including the fractional part to two decimal points.

- example: `calVolCylinder(4,10)` returns `502.64`

Brandeis