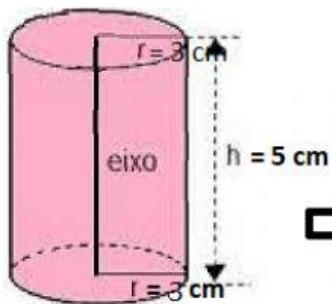


Volume e Áreas de um cilindro

Nota: sempre que procederes a arredondamentos, usa uma casa decimal.



$$r = 3 \text{ cm}$$
$$A_{\text{base}} = \pi r^2 = \pi \times 3^2 = \pi \approx \text{ cm}^2$$

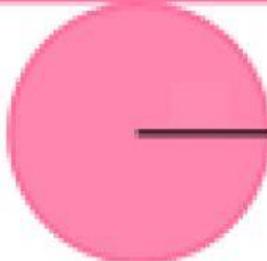
O comprimento do retângulo é igual ao perímetro da base do cilindro

$$\text{comprimento} = P_{\text{circulo}} = 2\pi r = 2 \times \pi \times 3 = \pi \approx \text{ cm}$$

$h = 5 \text{ cm}$

$$A_{\text{lateral}} = P_{\text{circulo}} \times h = \pi \times 5 \approx \text{ cm}^2$$

$$V_{\text{cilindro}} = A_{\text{base}} \times \text{altura} = \pi \times 5 = \text{ cm}^3$$



$$A_{\text{cilindro}} = 2 \times A_{\text{base}} + A_{\text{lateral}} = 2 \times \pi + \text{ cm}^2$$