

Exercício:

Determina a área do setor circular AOB e o comprimento do arco AB.

Área:

$$A_{\text{círculo}} = \pi r^2$$

$$\pi \times \text{ }^2 \text{ } 360^\circ$$

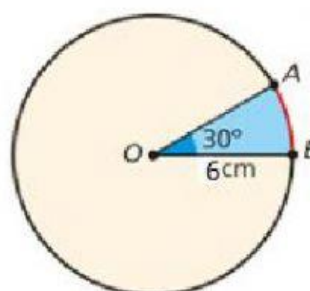
$$A_{\text{setor circular}} = \text{ }$$

$$A_{\text{setor circular}} = \frac{\pi \times \text{ }^2 \times \text{ }}{360}$$

$$A = \frac{\pi \times \text{ } \times \text{ }}{360}$$

$$A = \frac{\pi \times \text{ }}{360}$$

$$A = \pi$$



comprimento do arco AB.

$$P_{\text{circunferência}} = 2\pi r$$

$$2\pi \times \text{ } 360^\circ$$

$$\ell = \text{ }$$

logo:

$$\ell = \frac{2\pi \times \text{ } \times \text{ }}{360}$$

$$\ell = \frac{\pi \times \text{ }}{360}$$

$$\ell = \pi$$