

**INSTITUTO FEDERAL**

São Paulo

Câmpus Cubatão

## **TAREFA BÁSICA 29: ÁREA DE CÍRCULOS**

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Exercício 1, 2, 3 e 4:

$$\textcircled{1} \quad \frac{120 \cdot 6}{2 \cdot 1,5} = 76$$

$$\textcircled{2} \quad A = \pi \cdot \left(\frac{4}{2}\right)^2$$

$$A = \pi \cdot 2^2$$

$$A = 4\pi \rightarrow 10x = 40\pi$$

$$\textcircled{3} \quad A_c = \pi \quad d^2 = l^2 + l^2 \quad A_q = (\sqrt{5})l^2$$

$$d^2 = 2l^2$$

$$d = 2$$

$$2^2 = 2l^2$$

$$4 = 2l^2$$

$$4 = l^2$$

$$2$$

$$\sqrt{2} = l$$

$$\textcircled{4} \quad \frac{AB}{AM} = \frac{BC}{MN}$$

$$\frac{8}{4} = \frac{8}{x}$$

$$A = (9+4)4/2$$

$$A = 24 \text{ cm}^2$$

$$8x = 32$$

$$x = 32/8 = 4$$

$$A_c = \pi \cdot 2^2$$

$$24 - 12,4 = 11,6 \text{ cm}^2$$

$$A_c = 3,1 \cdot 4$$

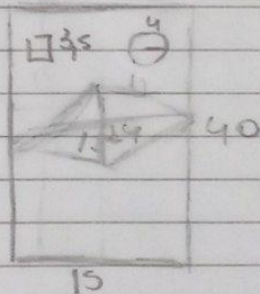
$$A_c = 12,4$$

Exercício 6 e 7:

⑥  $\frac{10}{0,02 \cdot 10^{-3}} = 500000$

$5 \cdot 10^5 \times 5 \cdot 10^5 = 25 \cdot 10^{10}$

⑦



$A_T = 15 \times 40$   
 $A_T = 600 \text{ m}^2$

$A_O = \pi r^2$   
 $A_O = 16\pi \text{ m}^2$   
 $A_O = 50,24 \text{ m}^2$

$600 - 206,49 = 393,51 \text{ m}^2$   
 $A_{\square} = \frac{24 \times 12}{2}$   
 $A_{\square} = 3,5^2$   
 $A_{\square} = 12,25 \text{ m}^2$

$393,51 \times 2,90 = R\$ 944,42$   
 $A_{\diamond} = 288$

$R\$ 944,42 \approx R\$ 944,40$   
 $A_{\diamond} = 144 \text{ m}^2$

$50,24 + 12,25 + 144 = 206,49 \text{ m}^2$