



**INSTITUTO FEDERAL**

São Paulo

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SALA: 317

## **MATEMATICA**

SEMANA 29

$$(1) \frac{120 \cdot 6}{2\pi \cdot 1,5} \rightarrow \frac{720}{3\pi} = \frac{240}{\pi} \approx 176$$

Resposta: (C)

$$(2) 10,4\pi = 140\pi$$

Resposta: (C)

$$(3) A_c = 3,14 \cdot 1^2 \quad A_g = 1^2 \rightarrow \sqrt{2}^2 = 2$$

$$A_c - A_g$$

$$3,14 - 2$$

$\approx$

$$1,14$$

Resposta: (D)

$$(4) A_T = \frac{(8+4)4}{2} \rightarrow \frac{48}{2} = 24$$

$$A_c = 3,14 \cdot 2^2 \rightarrow 12,56$$

$$R: 24 - 12,56 = 11,44$$

Resposta: (A)

$$(5) C = 2 \cdot \pi \cdot (30-5)$$

$$= 2 \cdot \pi \cdot 5$$

$$= 10\pi$$

Resposta: (C)

$$(6) \frac{10}{0,02 \cdot 10^{-3}} = 500000 \rightarrow 5 \cdot 10^5 \cdot 5 \cdot 10^5 = 25 \cdot 10^{10}$$

Resposta: (C)

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$$(7) A = \frac{40 \cdot 15}{2} - \frac{24 \cdot 12}{2} - \pi \cdot 4^2 - (3,5)^2$$

$$A = 600 - 144 - 50,24 - 12,25 \rightarrow 393,51$$

$$393,51 \cdot 2,40 = 944,42$$

Resposta: (C)