

INSTITUTO FEDERAL

São Paulo

Câmpus Cubatão

TAREFA BÁSICA 25: ARCOS E ÂNGULOS NA CIRCUNFERÊNCIA

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Exercício 1, 2, 3 e 4:

fecha

D	S	T	O	Q	S	S
D	L	M	M	J	V	S

① $23^{\circ}45' + 66^{\circ}15' = 89^{\circ}60' \approx 90^{\circ} \rightarrow \text{Ap. tang.}$

$\widehat{TAB} = \text{ângulo de segmento}$

$AB = 2 \cdot 66^{\circ}15' = 132^{\circ}30'$

$x = \widehat{APB} = \text{ang ins.} = \frac{132^{\circ}30'}{2} = 66^{\circ}15'$

letra E

②

$\widehat{CAD} = 40^{\circ}$

$\widehat{COD} = \text{arco } CD = 40^{\circ} \cdot 2 = 80^{\circ}$

letra E

③

$50^{\circ} + 35^{\circ} + a = 180^{\circ}$

$a = 180^{\circ} - 85^{\circ}$

$a = 95^{\circ}$

letra A

④

$\hat{a} = \frac{ABC}{2}$

$\hat{b} = \frac{AC}{2}$

$\left\{ \begin{array}{l} \hat{a} + \hat{b} = \\ \frac{(ABC + AC)}{2} \end{array} \right.$

$\frac{2\pi}{2} = \pi \text{ radianos}$

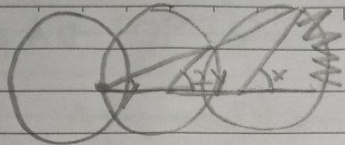
letra C

Exercício 5 e 6:

data
fecha

(D) (S) (T) (Q) (Q) (S) (S)
(D) (L) (M) (M) (J) (V) (S)

⑤



$4y$

$$x = 4y \text{ ou } y = \frac{x}{4}$$

⑥

$$AEC = 75^\circ \rightarrow x = \dots \quad \angle BDC = 210^\circ$$

$$x = 75^\circ \rightarrow \text{arco } ABC = 150^\circ \rightarrow \text{arco } AEDC = 210^\circ$$

$$y = \frac{210}{2}$$

$$y = 105^\circ$$