

Nome: Luiz Felipe Ciantela Machado

Turma: CTII 348

Prontuário: CB1990209

Disciplina: Matemática

IFSP - Câmpus Cubatão

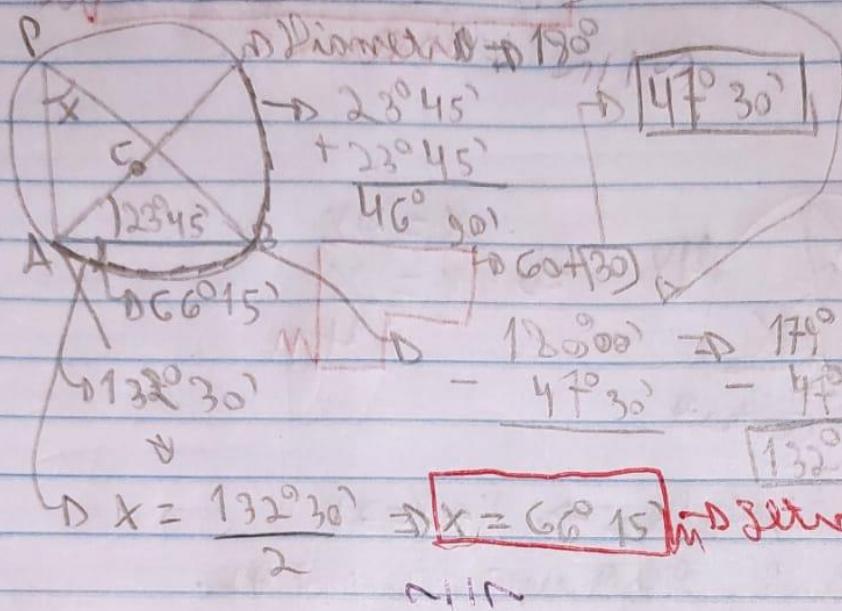
Tarefa Básica 07
Arcos e Ângulos na Circunferência
(Fotos nas páginas seguintes)

Exercícios 1, 2 e 3:

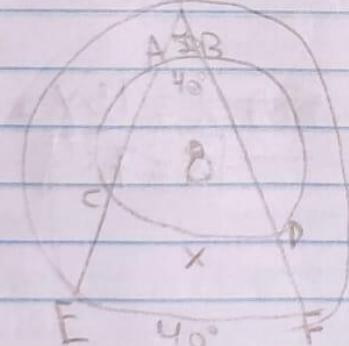
Materiais - Arco e Ângulos na Circunferência

Somma Básica

1-)



2-)

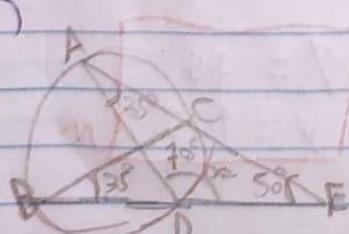


Exercício 2/2

$$x = \frac{\widehat{CD}}{2} - \frac{\widehat{AB}}{2} \Rightarrow 20^\circ = x - 40^\circ \therefore$$

$$40^\circ = x - 40^\circ \Rightarrow x = 80^\circ \rightarrow \text{Sexto E}$$

3-)



$$\widehat{CD} = 70^\circ \Rightarrow \widehat{B} = 35^\circ + 35^\circ$$

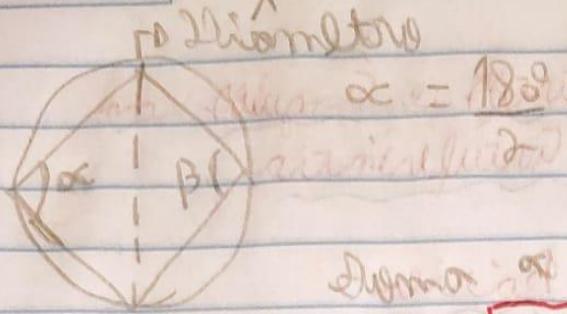
$$\widehat{CD} = 70^\circ \Rightarrow \widehat{A} = \frac{70^\circ}{2} = 35^\circ$$

$$\begin{aligned} \Delta ADE &= 35^\circ + 50^\circ + \alpha = 180^\circ \Rightarrow \alpha = 95^\circ \\ &= 95^\circ + \alpha = 180^\circ \\ &= \alpha = 180^\circ - 95^\circ \end{aligned}$$

↳ Sétima A

Exercícios 4, 5 e 6:

4-)



$$\alpha = 180^\circ - 90^\circ \quad \beta = \frac{180^\circ}{2} = 90^\circ$$

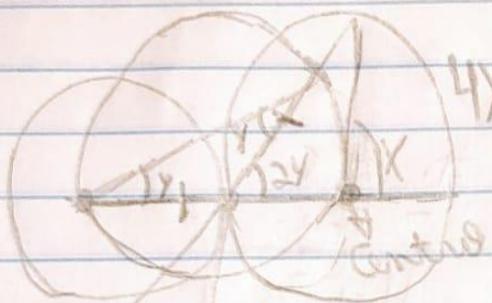
$$\text{Já somos } \alpha + \beta = 90^\circ + 90^\circ = 180^\circ$$

$$180^\circ = \pi \text{ radianos}$$

~11r

solução.

5-)



$$x = 4y$$

$$y = x$$

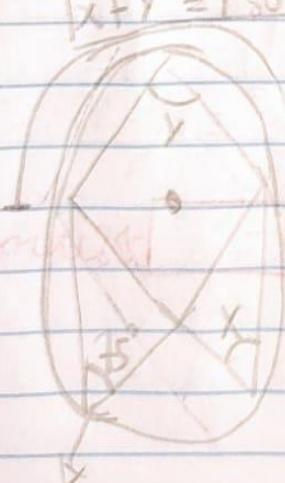
$$4y$$

⇒

$$\begin{aligned} & \text{P de exteriores} \rightarrow y + y = 2y \\ & \rightarrow \text{ponto central, logo } 4y + 2y = 180^\circ \\ & \rightarrow 6y = 180^\circ \\ & \rightarrow y = 30^\circ \end{aligned}$$

~11r

6-)



$$x + y = 180^\circ$$

$$75^\circ \cdot 2 = 150^\circ = 2x \rightarrow x = 150^\circ / 2$$

$$x = 75^\circ$$

$$x + y = 180^\circ$$

$$75^\circ + y = 180^\circ$$

$$y = 180^\circ - 75^\circ$$

$$y = 105^\circ$$

$$\boxed{\begin{aligned} x &= 75^\circ \\ y &= 105^\circ \end{aligned}}$$

$$180^\circ - [60^\circ + 45^\circ]$$

$$180^\circ - 105^\circ$$

$$75^\circ$$

~11r
solução.