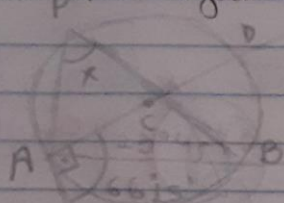


TAREFA BÁSICA

1) Na figura, o triângulo APB está inscrito na circunferência de centro C.

Se os ângulos assinalados têm as medidas indicadas, então x é igual a:



$$\widehat{DB} = 45^\circ 15'$$

$$23,45$$

$$45^\circ 15'$$

$$179^\circ 10'$$

$$\widehat{ACB} = 134^\circ 45'$$

$$45,15$$

$$134^\circ 45'$$

$$134 \mid 2$$

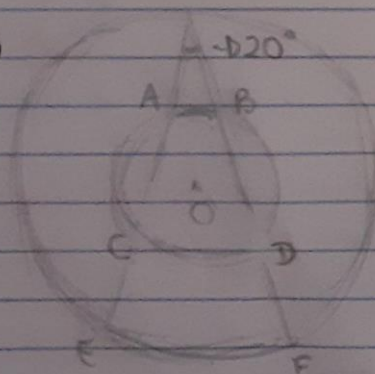
$$67,25$$

$$23^\circ 45'$$

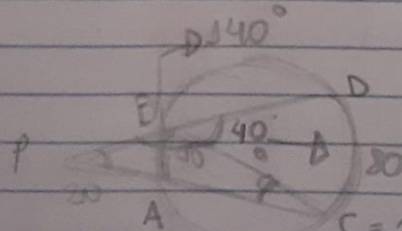
$$23^\circ 45'$$

* Cheguei a 67° , mas é (E) $66^\circ 15'$

2)



$$\widehat{AB} = \widehat{EF} = 40^\circ$$



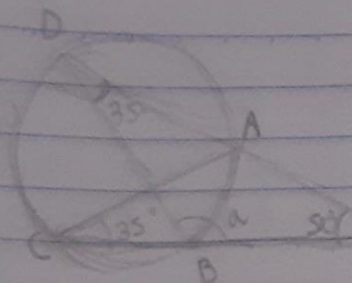
$$\widehat{CD} = \widehat{BA} / 2$$

$$\widehat{CD} = 20 / 2$$

$$\widehat{CD} = 80^\circ$$

(E)

3.



$$\widehat{D} = \frac{\widehat{AB}}{2}$$

$$\widehat{D} = \frac{70}{2}$$

$$\widehat{D} = 35$$

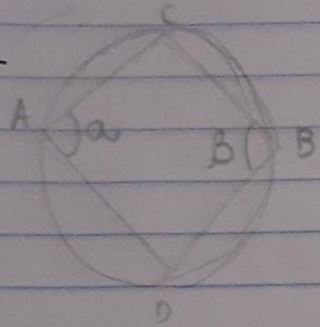
$$35 + 50 + a = 180$$

$$85 + a = 180$$

$$a = 95$$

(A) 95

4.



$$\alpha = \frac{\widehat{CBD}}{2}$$

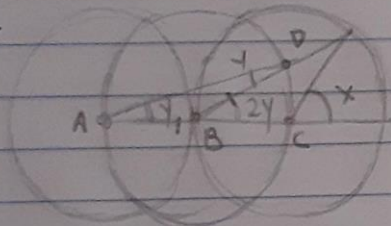
$$\beta = \frac{\widehat{CAD}}{2}$$

$$\frac{\widehat{CBD} + \widehat{CAD}}{2} = 2\pi$$

(C) 11

$\alpha + \beta$ não são suplementares

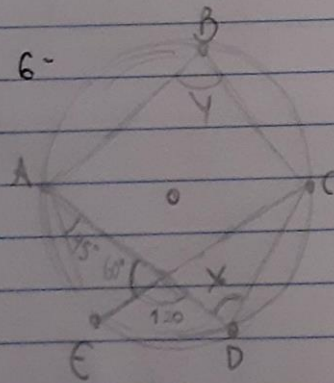
5.



$$\widehat{AB} = \widehat{BD} = \text{arco insc.}$$

$$\text{ângulo central } x = 4y$$

6.



$$45 + 60 + \widehat{AEC} = 180$$

$$180 - 105 = \widehat{AEC} = 75^\circ$$

$$75 \Rightarrow \widehat{ABC} = 150^\circ$$

$$x \Rightarrow \widehat{ABC}$$

$$x = 75^\circ$$

$$\widehat{AEDC} = 210^\circ$$

$$y = 210/2$$

$$y = 105^\circ$$

$$x = 75^\circ \text{ e } y = 105^\circ$$