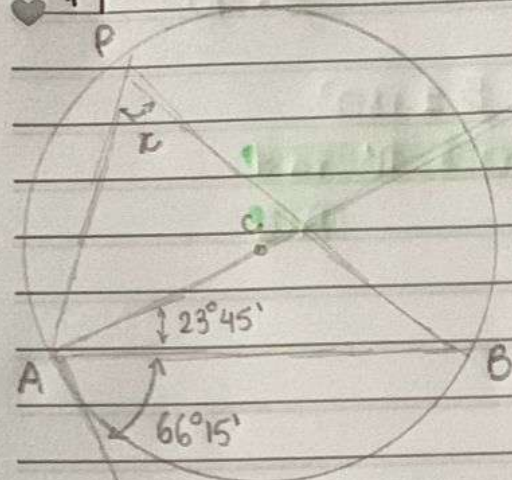



TAREFA: ARCOS E ÂNGULOS NA CIRCUNFERÊNCIA



Diâmetro = 180°

$$\begin{array}{r} 23^{\circ}45' \\ + 23^{\circ}45' \\ \hline \end{array}$$

46° 90'

↓

$60 + 30$

7

$47^{\circ}30'$

180° 00'

- $47^{\circ} 30'$

↓

179° 60'

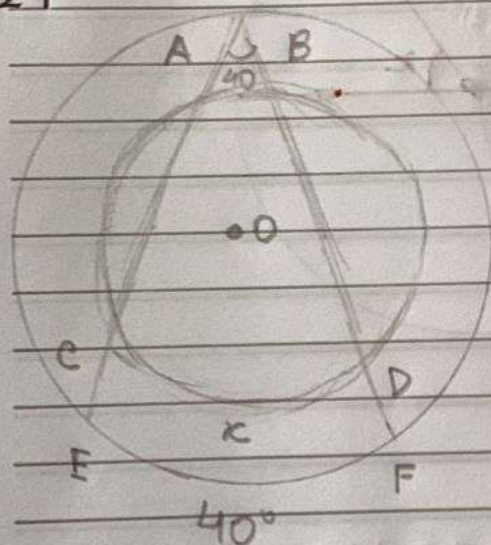
$$-47^{\circ} 30'$$

132° 30'

$$\alpha = 132^\circ 30' / 2 \rightarrow 66^\circ 15'$$

B. E.

21



$$e = \hat{CD} - \hat{AB} / 2$$

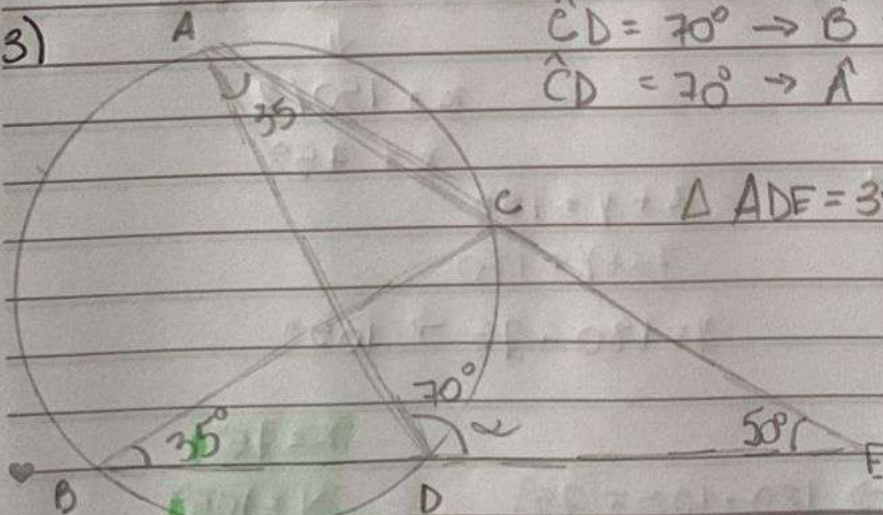
$$20^\circ = \kappa - 40^\circ / 2$$

$$40^\circ = \pi - 40^\circ$$

$$x = 80^\circ$$

R:E

3)



$$\hat{CD} = 70^\circ \rightarrow \hat{B} = 35^\circ + 35^\circ$$

$$\hat{C}_D = 70^\circ \rightarrow \hat{A} = 70^\circ / \alpha \rightarrow 35$$

$$\Delta ADE = 35^\circ + 50^\circ + x = 180$$

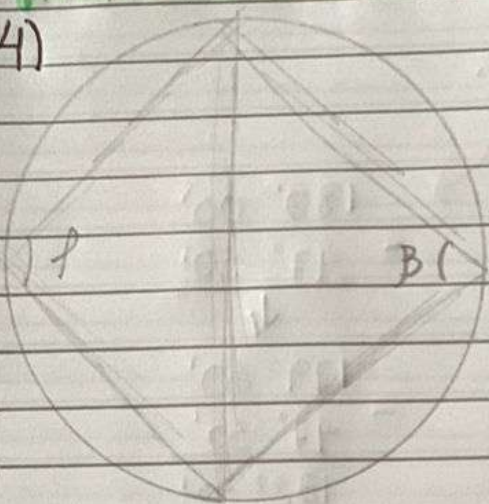
$$85^\circ + \angle = 180$$

$$\alpha = 180 - 85$$

$\angle = 95^\circ$

R. A

4)



$$\alpha = 180/2$$

$$\alpha = 90^\circ$$

$$\beta = 180/2$$

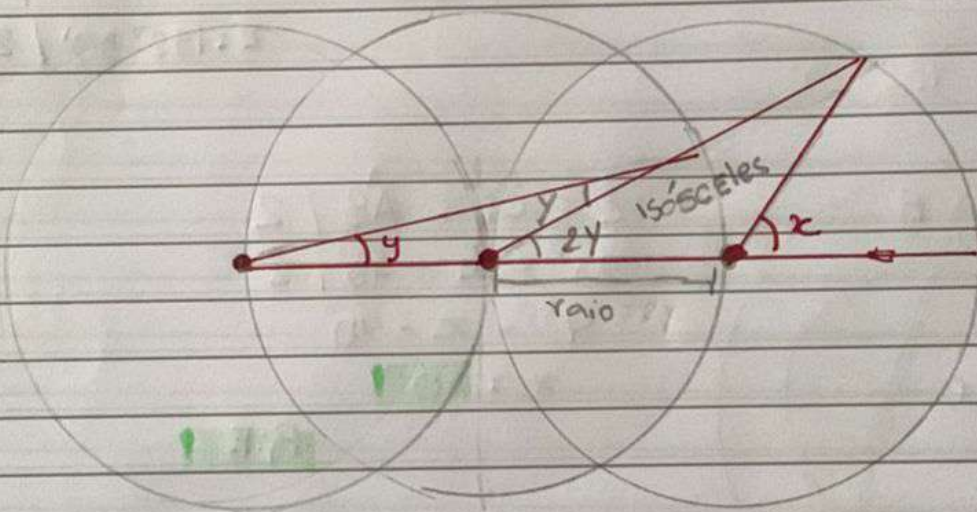
$$\beta = 90^\circ$$

$$\alpha + \beta = 180^\circ$$

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

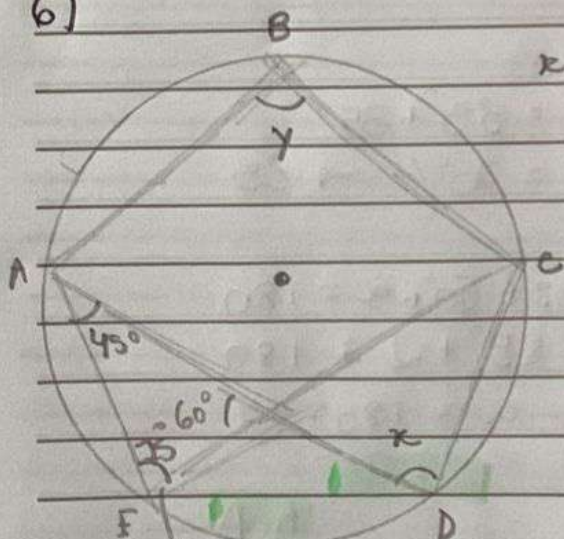
B.C

5)



$$x = 4y \text{ e } y = x/4$$

6)



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

$$75.2 = 150 = 2x$$

↓

$$x = 150/2$$

$$x = 75^\circ$$

$$x + y = 180$$

$$75 + y = 180$$

$$y = 180 - 75 \rightarrow 105^\circ$$

$$x = 75^\circ$$

$$y = 105^\circ$$

tilibra

$$60 + 45 = 105 \rightarrow 180 - 105 = 75^\circ$$