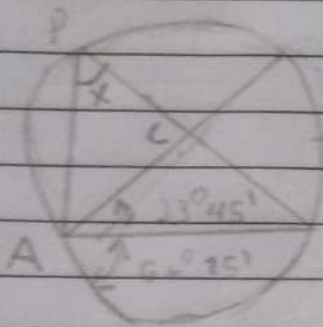


1)



$$23^{\circ}45'$$

$$\frac{23^{\circ}45' \times 2}{47^{\circ}30'}$$

$$\text{diámetro} = 780^{\circ}$$

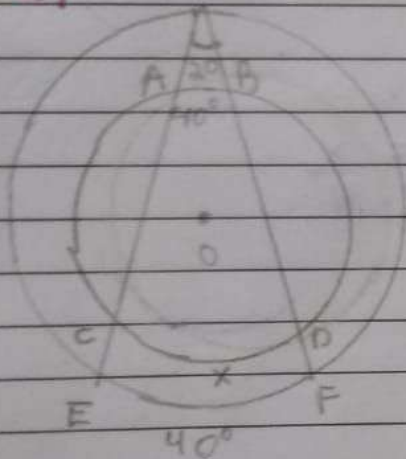
$$780^{\circ} - 47^{\circ}30'$$

$$732^{\circ}30'$$

$$X = \frac{732^{\circ}30'}{2} = 366^{\circ}15'$$

alternativa (E)

2)



Excentricas Exteriores

$$E = \frac{\widehat{CD} - \widehat{AB}}{2}$$

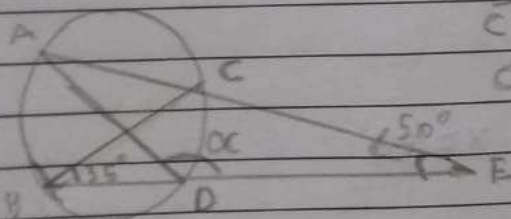
$$20^{\circ} = \frac{X - 40^{\circ}}{2}$$

$$40^{\circ} = X - 40^{\circ}$$

$$X = -80^{\circ}$$

alternativa (E)

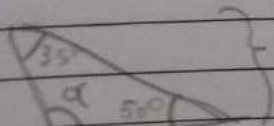
3)



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

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

ADE

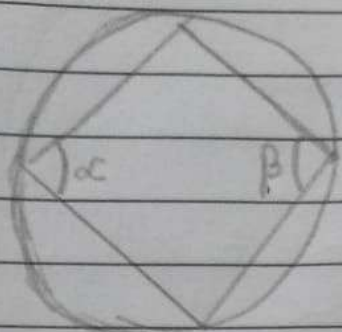


$$780^{\circ} - (35^{\circ} + 50^{\circ})$$

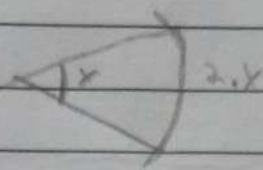
$$95^{\circ}$$

alternativa (A)

4)



$$O = 2\pi \text{ radianes}$$



entonces

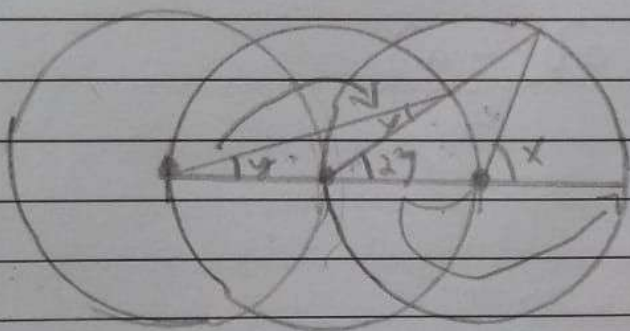
$$(2 \cdot \alpha) + (2 \cdot \beta) = 2\pi \text{ rad}$$

$$= 2 \cdot (\alpha + \beta) = 2\pi$$

alternativa (c)

$$\alpha + \beta = 2\pi \text{ radianes}$$

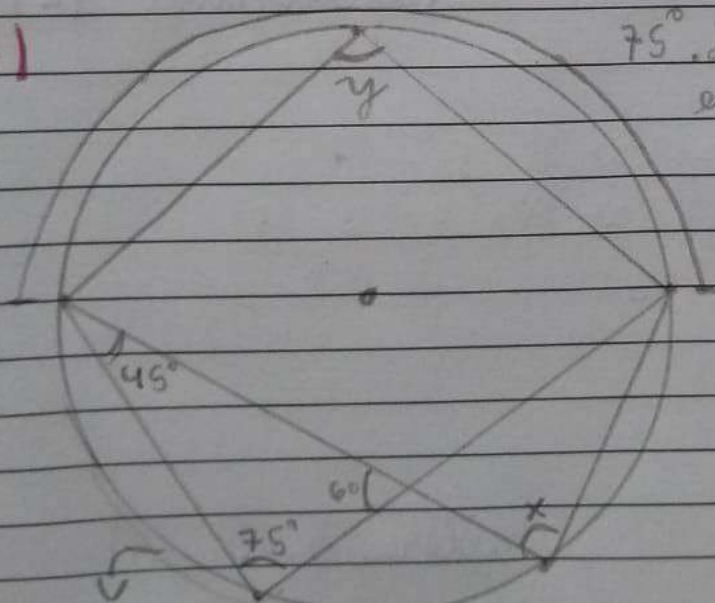
5)



$$x = 4y$$

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

6)



$$75^\circ \cdot 2 = 75^\circ \Rightarrow 2x$$

entonces

$$x = \frac{75^\circ}{2}$$

$$x = 75^\circ$$

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

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

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

$$y = 105^\circ$$

$$180^\circ - (45^\circ + 60^\circ)$$

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

$$75^\circ$$

$$x = 75^\circ$$

$$y = 105^\circ$$