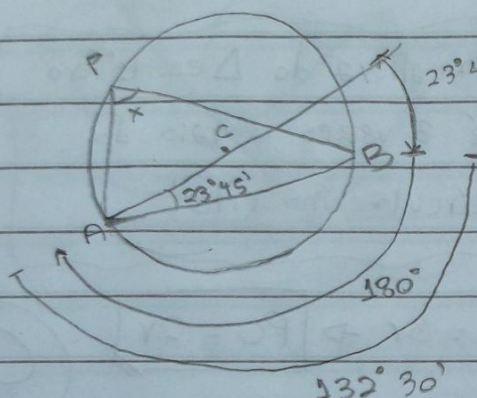


Tarefa Básica - Aula 7

1.



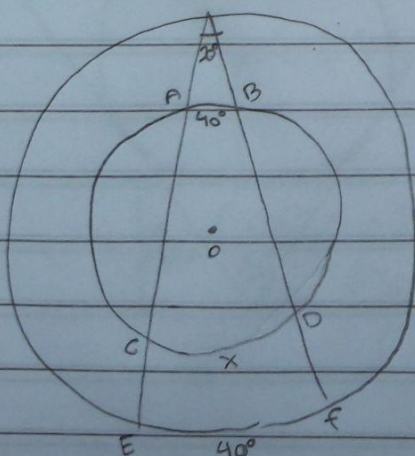
$$23^{\circ}45' \cdot 2 = 47^{\circ}30'$$

$$180^{\circ} - 47^{\circ}30' = 132^{\circ}30'$$

$$x = \frac{132^{\circ}30'}{2} = \boxed{66^{\circ}15'}$$



2.



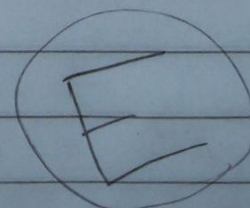
Excêntrico Exterior

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

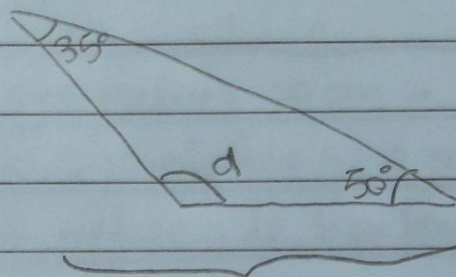
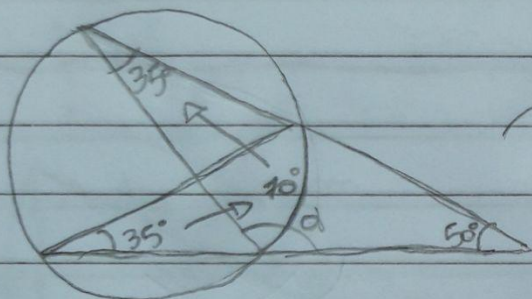
$$20^{\circ} = \frac{x - 40^{\circ}}{2}$$

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

$$\boxed{x = 80^{\circ}}$$



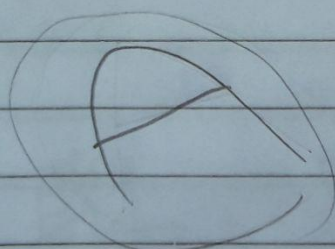
3.



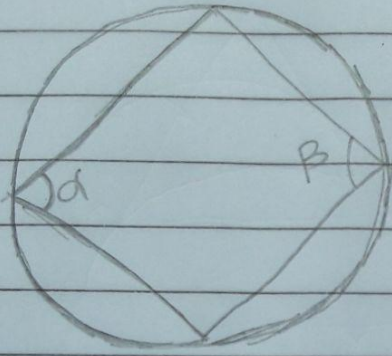
$$180^{\circ} - (50^{\circ} + 35^{\circ})$$

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

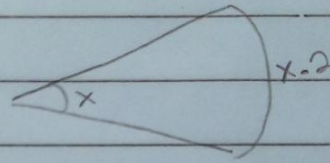
$$\boxed{95^{\circ}}$$



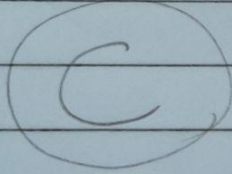
4.



circunferência completa = 2π radianos



logo...

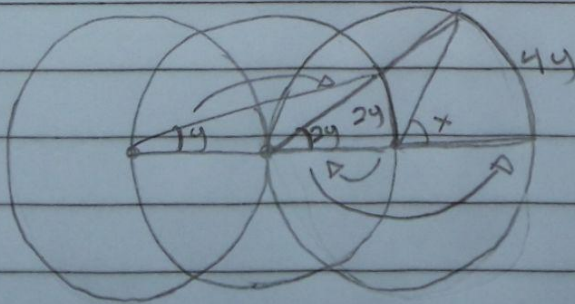


$$(2 \cdot \alpha) + (2 \cdot \beta) = 2\pi \text{ radianos}$$

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

$$\boxed{\alpha + \beta = \pi \text{ radianos}}$$

5.



$$x = 4y$$

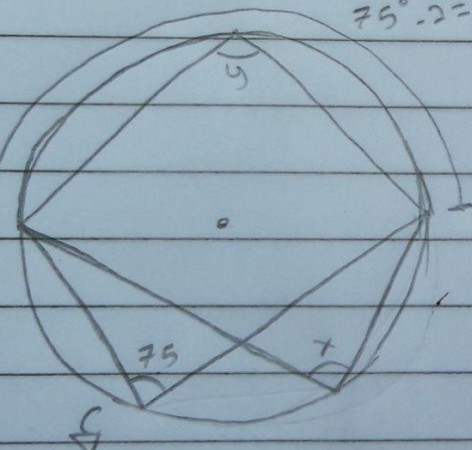
$$\boxed{y = \frac{x}{4}}$$

6.

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

$$75^\circ \cdot 2 = 150^\circ = 2x \quad \text{logo} \rightarrow x = 150^\circ / 2$$

$$\underline{x = 75^\circ}$$



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

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

$$75^\circ$$

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

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

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

$$\underline{y = 105^\circ}$$

$$\boxed{x = 75^\circ}$$

$$\boxed{y = 105^\circ}$$