

**INSTITUTO FEDERAL**

São Paulo

Câmpus Cubatão

## **TAREFA BÁSICA 24: LUGAR GEOMÉTRICO E PONTOS NOTÁVEIS**

**Nome:** André Luiz Gonçalves da Silva Teixeira

Exercício 1 e 2:

①

$$\widehat{DBA} = 60^\circ$$

$$\widehat{OBA} = 30^\circ$$

$$\sin 30^\circ = \frac{1}{OB}$$

$$\frac{1}{2} = \frac{1}{OB}$$

$$1 \cdot 2 = OB$$

$$2 = OB$$

②

$$\widehat{NTP} = 130^\circ$$

$\uparrow N$  e  $\uparrow P \rightarrow$  bissetriz interna

$$130 = 90 + \frac{x}{2}$$

$$90 + \frac{x}{2} - 90 = 130 - 90$$

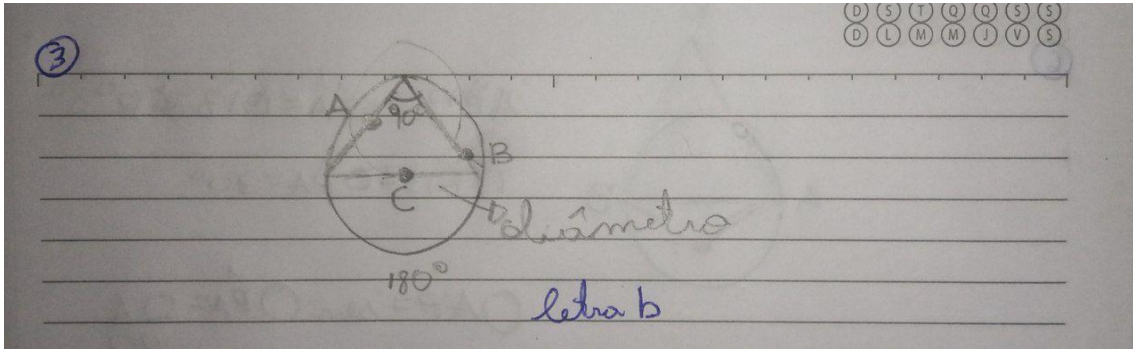
$$\frac{x}{2} = 40$$

$$x = 80$$

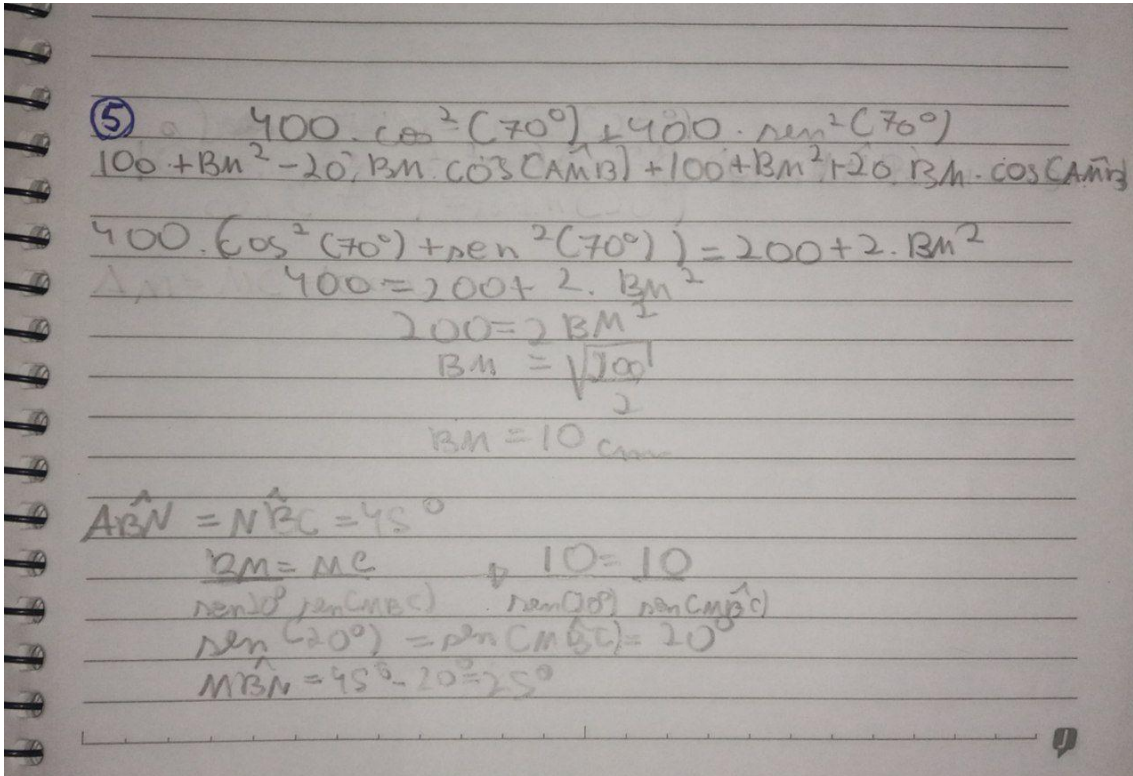
$$x = 80$$

$$x = 80$$

Exercício 3:



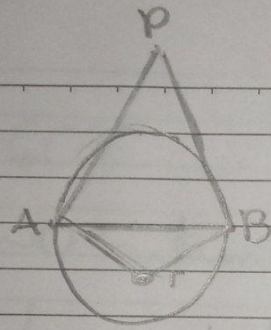
Exercício 5:



Exercício 6:

D S T Q Q S S  
D L M M J V S

6



$$\widehat{APB} = \widehat{BPA} = \widehat{PAB} = 60^\circ$$

$$\widehat{POB} = \widehat{POA} = 30^\circ$$

$$\sin \widehat{POA} = \frac{OA}{PO}$$

$$\frac{1}{2} = \frac{r}{PO}$$

$$PO = 2$$