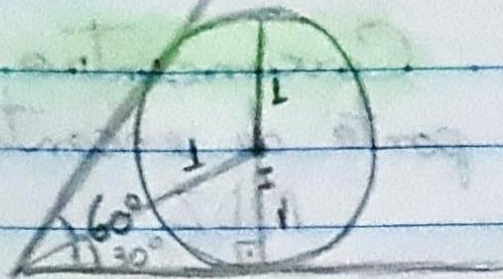


1-)



$$\sin 30^\circ = \frac{CO}{H} = \frac{1}{2}$$

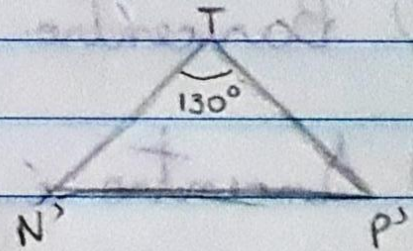
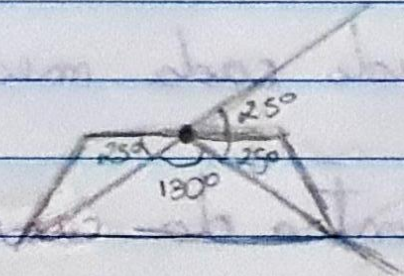
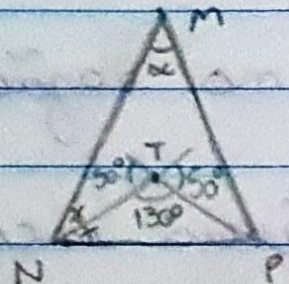
$$\sin 30^\circ = \frac{1}{2}$$

(D)

I = incentro

$$\frac{1}{2} = \frac{1}{2} \rightarrow \pi = 2$$

2-)



T = incentro

$$\hat{N}' + \hat{P}' = \angle T$$

$$50^\circ = 25^\circ$$

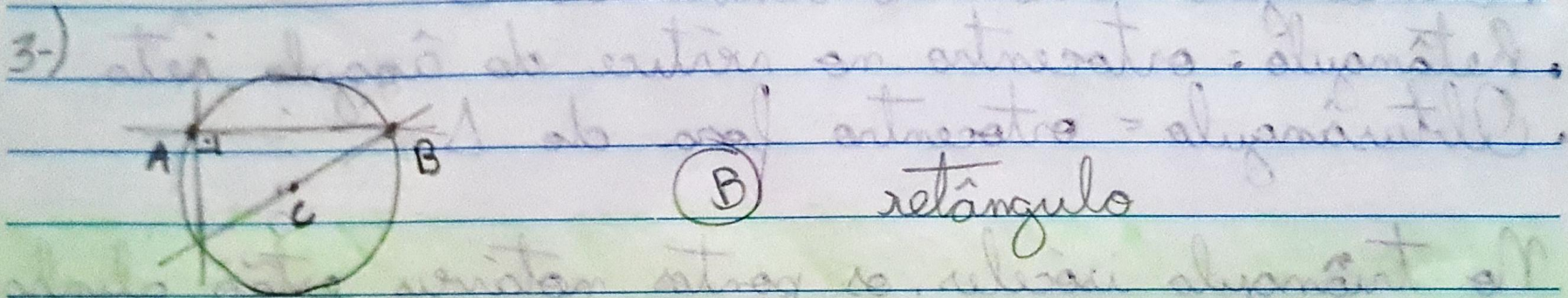
$$\hat{N}' + \hat{P}' = 50^\circ$$

$$\hat{N} = 50^\circ$$

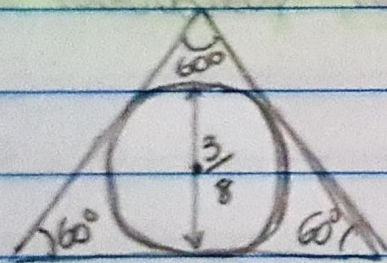
$$\hat{P} = 50^\circ$$

$$180 - 100 = 80^\circ$$

(E)



4-)



Baricentro = 2:1

$$r = \frac{3}{16}$$

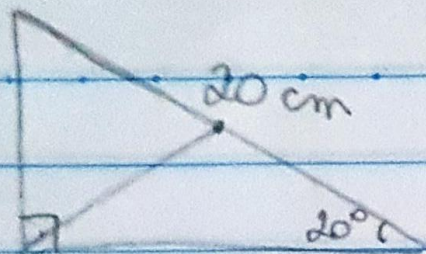
$$\frac{3}{16} + \frac{3}{8} = \frac{9}{16}$$

$$\frac{9}{16} = h$$

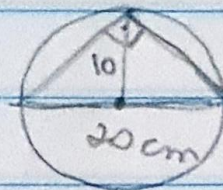
$$x = \frac{9}{16} - \frac{1}{2} = \frac{1}{16}$$

(E)

5-a)

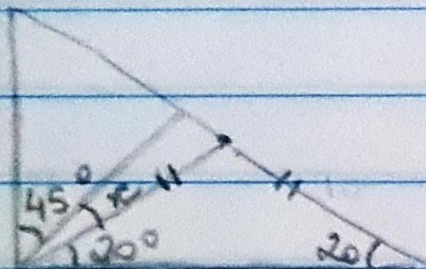


mediana = 10 cm



$r = 10 \text{ cm}$

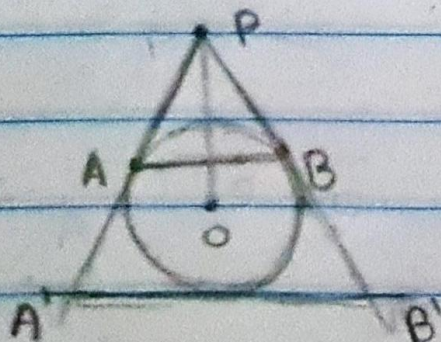
b)



$$45^\circ + 20^\circ + x = 90^\circ$$

$$x = 25^\circ$$

6-)



Baricentro = 2 : 1

MEDIANA DE $A'B' = r$

$$PO = 2r$$

(C)