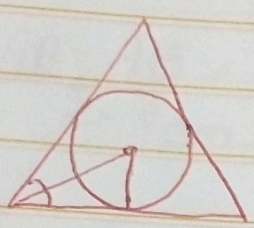
Danielle Medeiros Amaral - CB3006158-CT113147

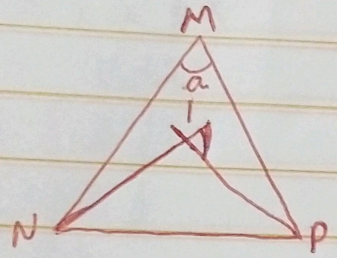
Lugar Geométrico e pontos notáveis

1.



$\frac{30}{y} = \frac{1}{2}$ $\quad y = 2$ (D)

2.



$\begin{array}{r} 180 \\ -\ 50 \\ \hline 130^\circ \end{array}$

$NTD + TPN + PNT = 180^\circ$

$TPN + PNT = 180^\circ - 130^\circ$

$TPN + PNT = 50^\circ$

$MNP + NPM = 2 \cdot (TPN + PNT)$

$NMP + MNP + NPM = 180^\circ$

$MNP + NPM = 2(50)$

$100 + NMP = 180^\circ$

$MNP + NPM = 100^\circ$

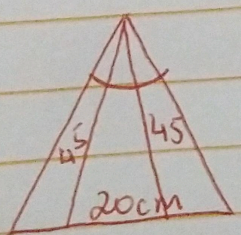
$NMP = 180 - 100$

$NMP = 80^\circ$ (E)

3°

4°

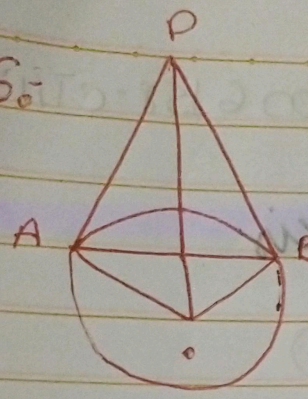
5°



a) $M = \frac{4}{2} = 10\,cm$

b) $\theta = 45^\circ - 20^\circ = 25^\circ$

6.



$A\hat{P}B = B\hat{P}A = P\hat{A}B = 60°$

$O\hat{P}B = O\hat{P}A = 30°$

$PO = 2r$

$\text{sen}\, O\hat{P}A = \frac{On}{PO} \rightarrow \frac{1}{2} = \frac{r}{PO}$

(C)