

## Tarefa básica

1)  $\hat{\text{ângulo}} DBA = 60^\circ$

$\hat{\text{ângulo}} OBA = 30^\circ$

$\text{Sem } 30^\circ = 1$   
OB

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

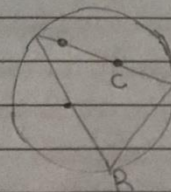
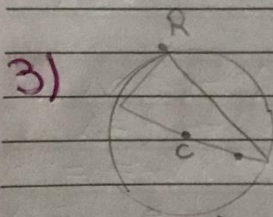
OB = 2 Letra d

2)  $\hat{\text{ângulo}} NTP$  vale:

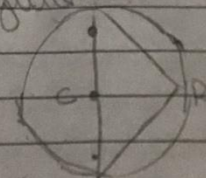
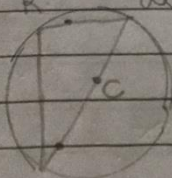
$$180^\circ - 50 = 130^\circ$$

TN e TP são bissetrizes interiores  $130 = 90 + \alpha$

$\alpha = 40$ ,  $2 = 80^\circ$  Letra E

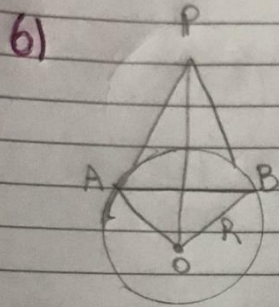


Letra B: é retângulo



5) a)  $v_m = \frac{b}{z} = 10 \text{ km}$

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



$\angle APB = \angle BPA = \angle PAB = 60^\circ \rightarrow \angle OPB = \angle OPA = 30^\circ$

Triângulo retângulo OAP  $\rightarrow \text{sen } \angle OPA = \frac{OA}{PO} \rightarrow \frac{1}{2} = \frac{R}{PO}$

$\rightarrow PO = 2R \text{ letra C}$