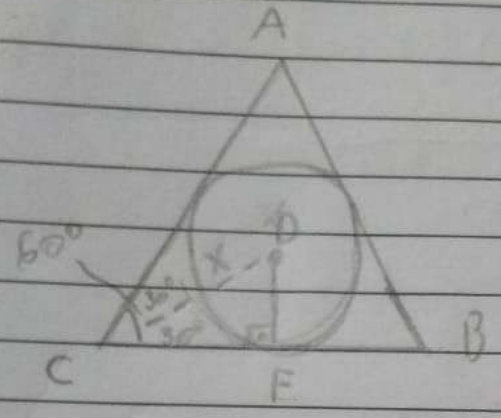
CREATE IT.

Tarefa Básica

1)



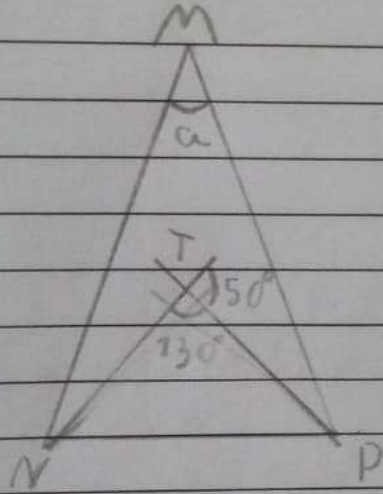
$A\hat{C}B = 60°$
$D\hat{E}F = 30°$
$CD = x$

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

$x = 2$

alternativa (D)

2)



$N\hat{T}P =$
$180° - 50°$
$130°$

$N\hat{T}P + T\hat{P}N + P\hat{N}T = 180°$
$130° + T\hat{P}N + P\hat{N}T = 180°$
$T\hat{P}N + P\hat{N}T = 50°$

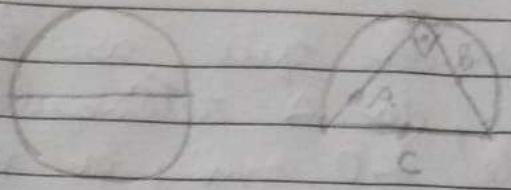
Bissetriz

$m\hat{N}P + NPm = 2.(TPN + PNT)$
$m\hat{N}P + N\hat{P}m = 2.(50°)$
$m\hat{N}P + N\hat{P}m = 100°$

$N\hat{m}P + m\hat{N}P + N\hat{P}m = 180°$
$N\hat{m}P + 100° = 180°$
$N\hat{m}P = 80°$

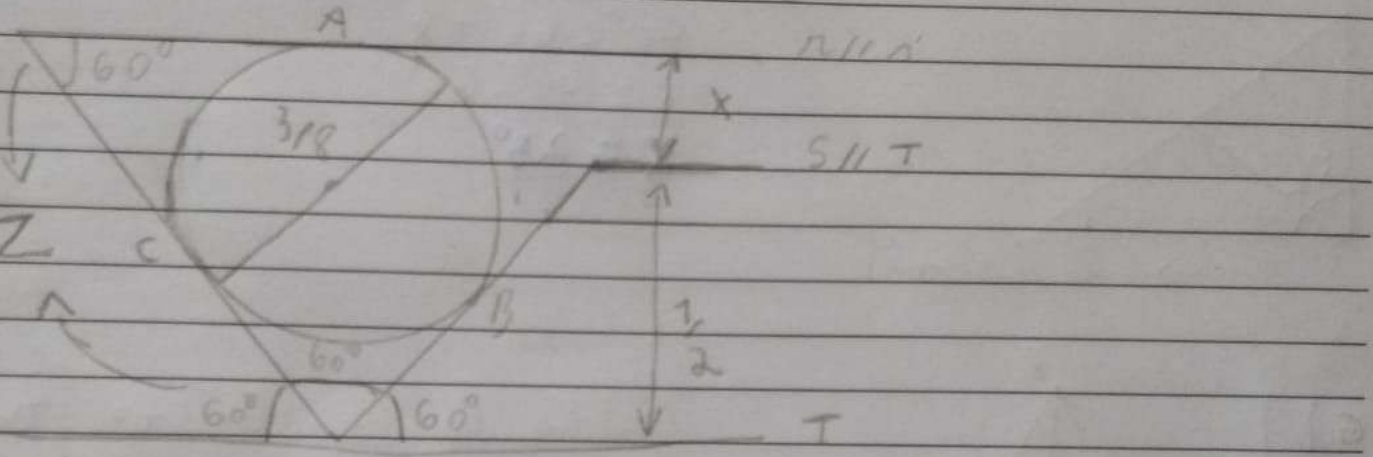
$a = 80°$ alternativa (E)

31

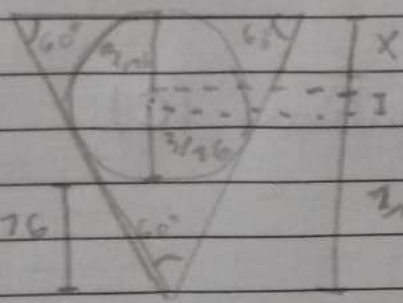


Tendo 2 vértices em cada ponta do diâmetro e uma vértice na circunferência será um triângulo retângulo

4)



Triângulo Equilátero tem a altura 3 vezes que o raio do circulo inscrito.



$$x = \frac{3}{16} - \frac{1}{8}$$

$$x = \frac{3-2}{16}$$

$$x = \frac{1}{16}$$

$$y = \frac{1}{2} - \left(\frac{3}{16} + \frac{3}{16}\right)$$

$$y = \frac{1}{2} - \frac{3}{8}$$

$$y = \frac{4-3}{8}$$

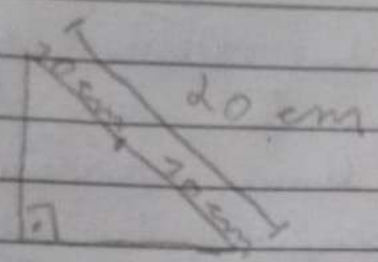
$$y = \frac{1}{8}$$

alternativa (E)

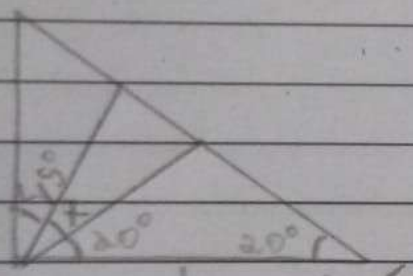
NSK

CREATE IT.

5)



a) Sabendo que a hipotenusa, do Δ retângulo mede 20 cm, a mediana mede 10 cm.



↳ internos

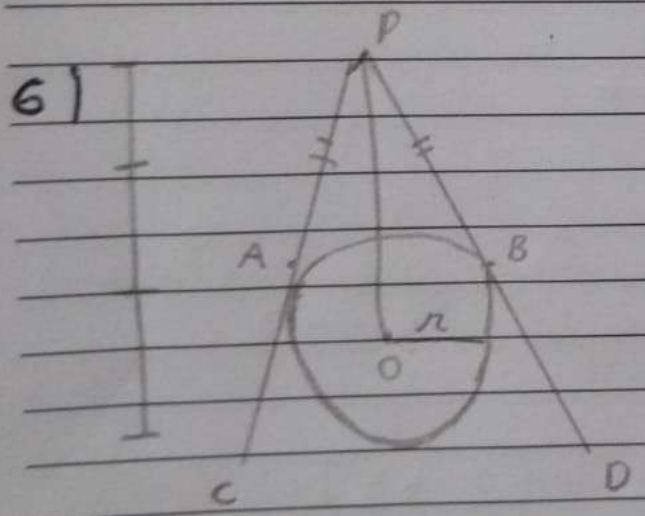
B) $90° = 20° + x + 45°$

$90° = 65° + x$

$x = 90° - 65°$

$x = 25°$

6)



Triângulo equilátero tem a altura 3 vezes maior que o raio da circulo inscrito.

$h = 3r \rightarrow PO = 2r$

alternativa (C)