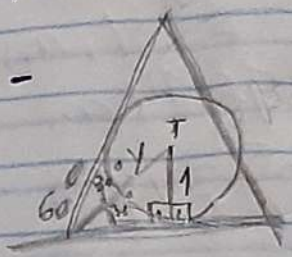
Tarefa Básico - Lugar geométrico e Pontos notáveis

01-



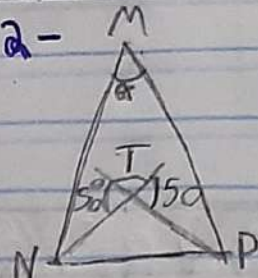
$\text{Sen } 30° = \frac{1}{y}$

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

$y = 2$

(D)

02-



$\frac{50° - 25°}{2}$

$T + 25° + 25° = 180°$

$T = 180° - 50°$

$N\hat{T}P = 130°$

$(N+P)/2 = 50°$

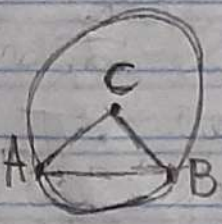
$N + P + Q = 180°$

$100 + Q = 180°$

$Q = 80°$

(E)

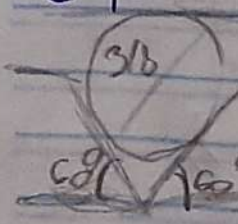
03-



Como ele deve ser inscrito, um dos ângulos dele terá medida sendo de 90°, independente do local onde fique o ponto.

(B)

04-

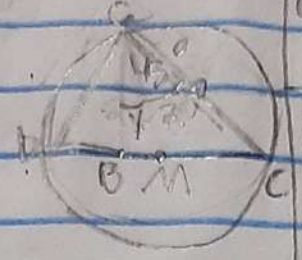


$\frac{3}{8} \times \frac{2}{1} = \frac{3}{16}$ aceitado

$\frac{1}{3} \sim \frac{3}{16} = \frac{3 \div 3}{48 \div 3} = \frac{1}{16}$

(E)

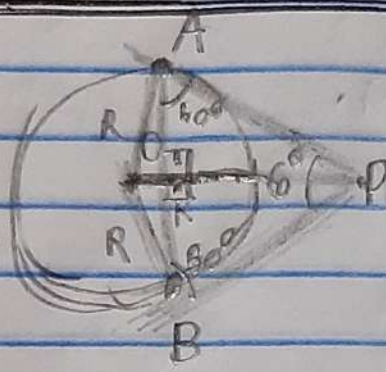
05 -



a) Mediana $= \frac{h}{2} = R = 10\,cm$

b) $y = 45 - 20° = 25°$

06 -



$OA = OB = 1R$

$R^2 + R^2 = AB^2$

$2R^2 = AB^2$

$\sqrt{2R^2} = AB$

$2R = AB$

APB = Equilátero, então 60° ângulos internos

Se todos os lados são iguais, então PO = 2R

C