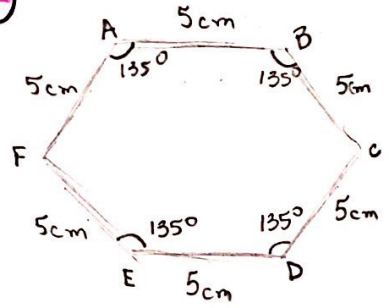
TAREFA: ÁREA DE POLÍGONO

1



$(n-2)180° \rightarrow (6-2)180° = 720°$

$ABDE = 540°$

$C;F = 90°$

$x^2 = 5^2 + 5^2$

$x^2 = 50$

$x = 5\sqrt{2}$

$A = 5.5\sqrt{2}$

$A = 25\sqrt{2}$

$A = 5\sqrt{2}.5\sqrt{2}/2/2$

$A = 25/2$

$A = 2.(25/2) + 25\sqrt{2}$

$A = 25 + 25\sqrt{2}$

$A = 25(\sqrt{2}+1)$

R: E

2

$h^2 + (L/2)^2 = L^2$

$h^2 + L^2/4 = L^2$

$h^2 = L^2 - L^2/4 = 3L^2/4$

$h = \sqrt{3L^2/4} = (L\sqrt{3})/2$

$L.h = 16\sqrt{3}$

$L.(L\sqrt{3})/2 = 16\sqrt{3}$

$(L^2\sqrt{3})/2 = 16\sqrt{3}$

$L^2 = (16\sqrt{3}.2)/\sqrt{3}$

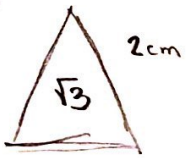
$L^2 = 32 \rightarrow L = 4\sqrt{2}$

$h = (L\sqrt{3})/2 = 4\sqrt{2}.\sqrt{3}/2 = 2\sqrt{6}$

$A_q = (2\sqrt{6})^2 = 4.6 \rightarrow 24m^2$

R: B

3



$A = \frac{2^2\sqrt{3}}{4} = \sqrt{3}$

$APC = 2H1/2$

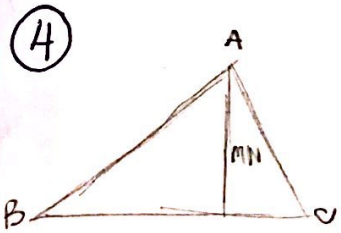
$APB = 2H2/2$ (+)

$BPC = 2H3/2$

$H1 + H2 + H3 = \sqrt{3}$

R: B

4



$MN = \frac{1}{2}BC$

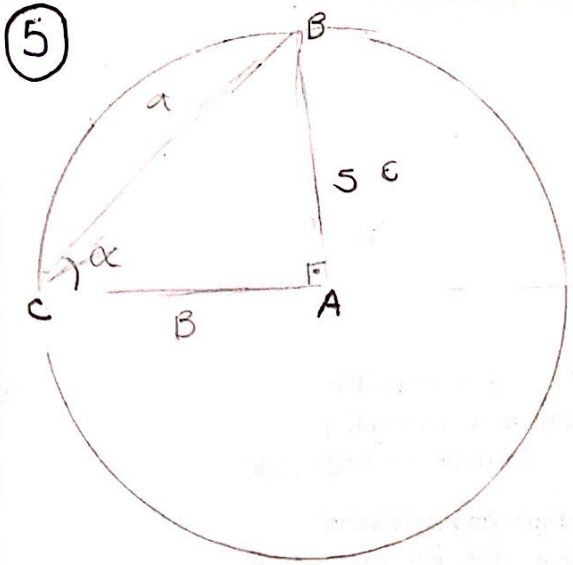
$A = 96m^2$

$x = 96 - \frac{1}{4}(96)$

$x = 96 - 24$

$x = 72cm^2$

(5)



$AB = 10$

$BC = 6$

$10^2 = 6^2 + AC^2$

$100 = 36 + AC^2$

$64 = AC^2$

$AC = 8$

$B.H/2 \rightarrow 8.6/2 \rightarrow 4.6 \rightarrow 24\,cm$

B: A

(6)

raio = Lado = 4 cm

$A_{\square} = L^2\sqrt{3}/4$

$A_{\square} = 4^2\sqrt{3}/4$

$A_{\square} = 16\sqrt{3}/4$

$A_{\square} = 4\sqrt{3}$

$4\sqrt{3}^2 = 4\sqrt{9}$

$4.3 \Rightarrow 48\,cm$