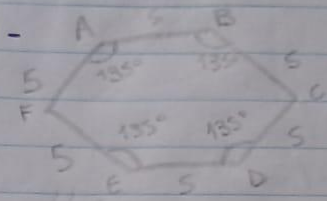
1-



$(m-2).180° \Rightarrow (6-2).180° = 720°$

$ABDE = 540°$

$CF = 90°$

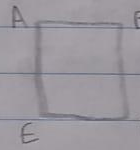
$x^2 = 5^2 + 5^2$

$x^2 = 50$

$x = 5\sqrt{2}$

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

$A = \frac{25}{2}$



$A = 5 \cdot 5\sqrt{2}$

$A = 25\sqrt{2}$

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

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

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

ALTERNATIVA(E)

2-

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

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

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

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

$L \cdot l = 16\sqrt{3}$

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

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

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

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

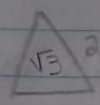
$l = (L\sqrt{3})/2 = 4\sqrt{2} \cdot \sqrt{3}/2$

$2\sqrt{6}$

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

LETRA(B)

3-



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

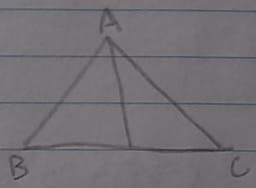
-1

APC = 2H1/2
+ APB = 2H2/2
+ BPC = 2H3/2

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

LETRA (B)

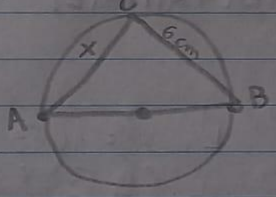
4-



MN = 1/2 BC
A = 96 m²

x = 96 - 1/4 (96)
x = 96 - 24
x = 72 cm² //

5-



R = 5 cm AD = ?

-5

2 . R = 10

$10^2 = 6^2 + x^2$
$100 = 36 + x^2$
$x = \sqrt{64}$
x = 8 //

Ângulo oposto ao diâmetro => RETO

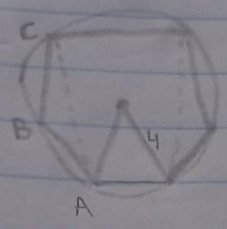
$A = \frac{a \cdot b \cdot c}{4R}$

$A = \frac{10 \cdot 8 \cdot 6}{4 \cdot 5}$

A = 24 cm //

LETRA (A)

6-

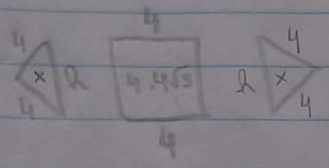


$R = 4\ cm$ $\quad (A_\Delta)^2 = ?$

$a = \frac{R\sqrt{3}}{2}$ $\quad 2a = \ell$

$\frac{2 \cdot 4\sqrt{3}}{2} = \ell$

$\ell = 4\sqrt{3}$



$A_{hexagono} - A_\square = A_\Delta + A_\Delta$

$(p \cdot a) - 4 \cdot 4\sqrt{3} = x + x$

$\frac{6 \cdot 4}{2} \cdot \frac{4\sqrt{3}}{2} - 16\sqrt{3} = 2x$

$2x = 6 \cdot 2 \cdot 2\sqrt{3} - 16\sqrt{3}$

$2x = 12 \cdot 2\sqrt{3} - 16\sqrt{3}$

$2x = 24\sqrt{3} - 16\sqrt{3}$

$2x = 8\sqrt{3} \Rightarrow x = \frac{8\sqrt{3}}{2}$

$x = 4\sqrt{3}\ cm^2$ //

$(A_\Delta)^2 = x^2$

$x^2 = (4\sqrt{3})^2$

$x^2 = 16 \cdot 3$

$x^2 = 48\ cm^2$ //