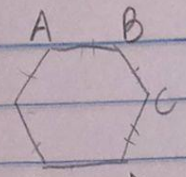
1 -



$S_i = 180 \cdot (n-2) = 720°$; 6

A + B + D + E medem 135°

C = ? F = ? → 540°

$135° + 135° + 135° + 135° + x + x = 720°$

$2x = 720° - 540°$

$x = \frac{180°}{2} = 90°$

Descobrir h $h^2 = 5^2 + 5^2$

$h^2 = 25 + 25$

$h = \sqrt{50} = \sqrt{2} \cdot \sqrt{25} : h = 5\sqrt{2}$

$\frac{5 \cdot 5}{2} + 5 \cdot 5\sqrt{2} + \frac{5 \cdot 5}{2}$

$\frac{25}{2} + 25\sqrt{2} + \frac{25}{2} \rightarrow 25\left(\frac{1}{2} + \sqrt{2} + \frac{1}{2}\right)$

$25\left(\sqrt{2} + \frac{2}{2}\right)$

$25\sqrt{2} + 1$

E

2- $16\sqrt{3}\ m^2$

$\frac{l^2\sqrt{3}}{4} = 16\sqrt{3}\ m^2$

$l^2 = \frac{16\sqrt{3}\cdot 4}{\sqrt{3}}$ $\quad l^2 = \sqrt{64} = 8m$

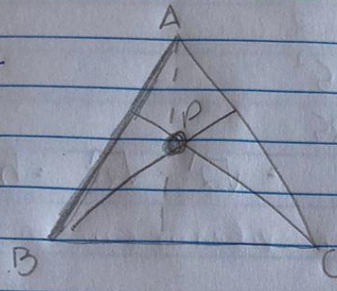
$\frac{8\sqrt{3}}{2}$ $\quad x = 4\sqrt{3}$

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

$16 \cdot 3 = 2y$

$y^2 = 8 \cdot 3 = 24$

3-

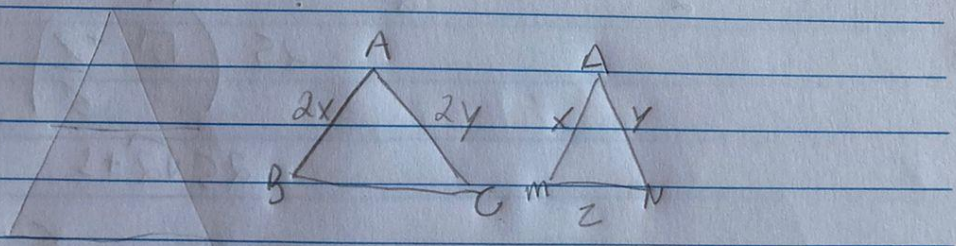


Area $\frac{2^2\sqrt{3}}{4}$ $\quad \frac{4\sqrt{3}}{4}$ $\quad \sqrt{3}$

1- ΔACP
2- ΔABP
3- ΔACP

$\frac{2\cdot d_1}{2} + \frac{2\cdot d_2}{2} + \frac{2\cdot d_3}{2} = \sqrt{3}$

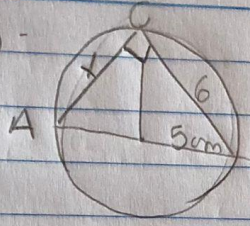
4-



$\frac{A\Delta AMN}{96} = \frac{96}{4} = 24\ m^2$

Area $= 96 - 24 = 72 m^2$

5.



10 - 5

$d = 2 \cdot 5 = 10$

$10^2 = 6^2 + x^2$

$100 = 36 + x^2$ $\quad x = \sqrt{64} = 8$

$x^2 = 100 - 36$

$\frac{10 \cdot 8 \cdot 6}{4 \cdot 5} = 24\,cm^2$

6.

$R = 4cm - \frac{R\sqrt{3}}{2}$

$h = \frac{x \cdot 4 \cdot \sqrt{3}}{2} = 4 \cdot \sqrt{3}$

$4 \cdot \frac{4\sqrt{3}}{2} = x + x = \frac{6 \cdot x^2}{2} \cdot \frac{4 \cdot \sqrt{3}}{2}$

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

$x = \frac{8\sqrt{3}}{2} = (4\sqrt{3})^2 - x^2 = 16 \cdot 3$

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