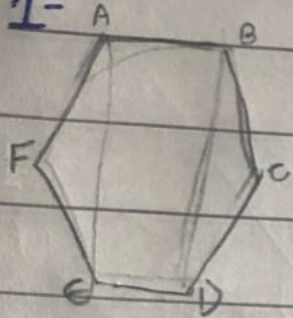


1-



$$AE = ?$$

$$A_{ABDE} = ?$$

$$h_{\Delta} = \frac{(5 \times 5) \sqrt{2}}{5}$$

$$h = 5$$

$$\sqrt{2}$$

$$A_{ABDE} = 5 \times 5 \sqrt{2}$$

$$h_{\Delta} = \frac{25 \sqrt{2}}{5}$$

$$h = \frac{(5 \times \sqrt{2})}{\sqrt{2} \times \sqrt{2}}$$

$$\sqrt{2} \times \sqrt{2}$$

$$AE = ?$$

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

$$A_{ABDE} = 25 \sqrt{2}$$

$$l = 5$$

$$x^2 = 50$$

$$h_{\Delta} = \frac{5}{\sqrt{2}}$$

$$h = \frac{5 \sqrt{2}}{2}$$

$$x = 5 \sqrt{2}$$

$$2$$

$$A_{\Delta} = \frac{[5(\sqrt{2})] \times [5(\sqrt{2})]}{2}$$

$$2$$

$$A = 2 \times (\text{área do triângulo}) + \text{área do retângulo}$$

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

$$A_{\Delta} = \frac{25}{2}$$

$$2$$

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

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

E

$2-A = \frac{(l^2 \times \sqrt{3})}{4}$	altura do triângulo?	diagonal do quadrado?	$l = \frac{4\sqrt{6}}{\sqrt{4}}$
$16\sqrt{3} = \frac{(l^2 \times \sqrt{3})}{4}$			$l = \frac{4\sqrt{6}}{2}$
$64\sqrt{3} = l^2 \times \sqrt{3}$	$h = \frac{l\sqrt{3}}{2}$	$d = l\sqrt{2}$	$l = 2\sqrt{6}$
$\frac{64\sqrt{3}}{\sqrt{3}} = l^2$	$h = \frac{8\sqrt{3}}{2}$	$l = \frac{4\sqrt{3}}{\sqrt{2}}$	
$l = \sqrt{64}$	$h = 4\sqrt{3}$	$l = \frac{4\sqrt{3} \times \sqrt{2}}{\sqrt{2} \times \sqrt{2}}$	
$l = 8$			

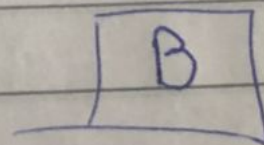
area do quadrado?

$$A_{\square} = l^2$$

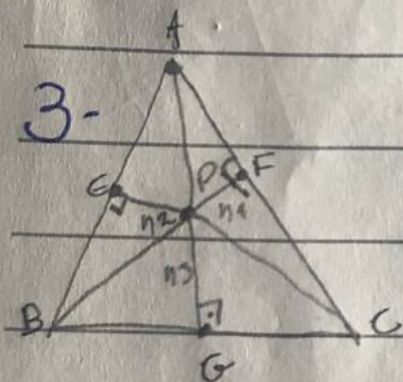
$$A = (2\sqrt{6})^2$$

$$A = 4 \times 6$$

$$A = 24 \text{ m}^2$$



3-



Se a área é $\sqrt{3}$ e o lado 2 a área será $\frac{2^2 \sqrt{3}}{4} = \sqrt{3}$

$$APC = \frac{2h_1}{2}$$

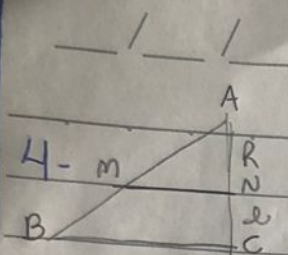
$$APB = \frac{2h_2}{2}$$

$$BPC = \frac{2h_3}{2}$$

$$= ABC = \frac{2h_1}{2} + \frac{2h_2}{2} + \frac{2h_3}{2}$$

$$ABC = \sqrt{3}$$

B



$$A_{ABC} = 96 \text{ m}^2$$

$ABMNC = A_{ABC} - A_{AMN}$	$A_{AMN} = \frac{1}{4} \Rightarrow 4A_{AMN} = 96$	$ABMNC = 96 - 24$
$ABMNC = 96 - A_{AMN}$	$\frac{96}{4}$	$ABMNC = 72 \text{ m}^2$
	$4A_{AMN} = 96$	
	$A_{AMN} = \frac{96}{4} = 24 \text{ m}^2$	

5- $AB = 10$	$AC^2 + BC^2 = AB^2$	$S = \frac{BC \times AC}{2}$
$10 = r \times 2$	$AC^2 + 6^2 = (5+5)^2$	2
$10 = 5 \times 2$	$AC^2 + 36 = (10)^2$	$S = \frac{6 \times 8}{2}$
$10 = 10$	$AC^2 = 100 - 36$	2
$BC = 6$	$AC = \sqrt{64}$	$S = \frac{48}{2} = 24$
	$AC = 8$	

6-	calculando a apótema	$1) = ?$ $r = ?$
$r = 4$		
$d = 2r = 8$	$a = \frac{r\sqrt{3}}{2}$	$1) = 2 \times 2\sqrt{3}$
a área é a metade de um losango	$a = \frac{4\sqrt{3}}{2}$	$1) = 4\sqrt{3}$
$1) = 2 \times \text{apótema}$; e $d = r$	$a = 2\sqrt{3}$	$1) = 4$

área do losango?	calculando a metade da AL	área do quadrado?
$AL = \frac{1 \times d}{2}$		
$AL = \frac{4(\sqrt{3} \times 4)}{2}$	$AL = \frac{8\sqrt{3}}{2}$	$AQ = (4\sqrt{3})^2$
$AL = 4 \times 2 \cdot \sqrt{3}$	$AL = 4\sqrt{3}$	$AQ = 16 \times 3$
$AL = 8\sqrt{3}$		$AQ = 48$