eas de Poligonos Naihara-317

WI. soma des ângulos internos S = (n-2) 180° S=(6-2)180° 5=4.180° S=720° internos AE e BD são hipote. A+B+D+E = 5400

nusas de SAFE e ABCD

AE = BD = 502

 $AE = BD \Rightarrow AE^2 = 5^2 + 5^2$

720-540° = 180° JA,B,D, E Somon

540°, então, F+c = 180°

F= 180 = 900 $C = 180 = 90^{\circ}$ AE = JSO

AE = 25+25 AE2=50

Área de MABED

AABED = b.h

Altura de DAFE & SBCD

A=512.5

A A BDE = 25 JZ

Área de DAFEre ABCD

 $A = (502) \cdot \left(\frac{502}{2}\right) \Rightarrow \frac{25}{2}$

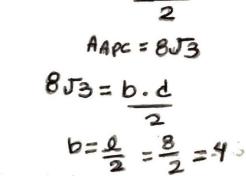
Area do rexago no:

A = ALAFE + A ABOD + A \(ABDE

 $A = \left(2 \cdot \frac{25}{2}\right) + 2502$

A= 25+2552 A = 25 12+1)

$$A_{\Delta} = 1\frac{1}{3}$$
 $A_{\Delta} = 1\frac{1}{3}$
 $A_{\Delta} = 1\frac{1}{3}$



d = 1653

/d=4537

AAPC = 1653

A0= 12

AU= 12

A 1 = 24 m2

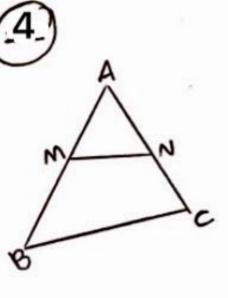
Os vertices formans DAPB, DBPC e DAPC Area ABC = DAPB+ ABPC + DAPC AAPB = 2.h.s AApe= 2h2 ABPC = 2h3

AAPB =
$$\frac{2 \cdot h_1}{2}$$
 AAPC = $\frac{2h_2}{2}$ ABPC = $\frac{2h_3}{2}$

$$\frac{2h_1}{2} + \frac{2h_2}{2} + \frac{2h_3}{2} = APB + APC + BPC$$

$$APB + APC + BPC = AABC = U3$$

h1+h2+h3= U3)



AMN = base média de ABC MN = 1 BC

AMN~ABC (Semelhantes) Então, a razão é de: R:h=1:2 Dada a relação: $\frac{A}{A'} = k^2$, tem-se: $\frac{\Delta amv}{\Delta ABC} = \left(\frac{1}{2}\right)^2 \Rightarrow \frac{\Delta AMN}{\Delta ABC} = \frac{1}{4} \Delta ABC (96 m)$.

A área de DAMN é:

ADMN = DABC-DAMN

Ad = 96- 1.96

ASAMN = 96-24

$$A = \frac{b \cdot h}{2} \Rightarrow A = \frac{bc}{2} \Rightarrow A = \frac{bc}{2}$$

$$AB^{2} = cB^{2} + Ac^{2}$$

$$10^{2} = 6^{2} + Ac^{2}$$

$$100 = 36 + Ac^{2}$$

$$100 - 36 = Ac^{2}$$

$$64 = Ac^{2}$$

AC = J64

AC = 8

$$AB = \frac{L^2J_3}{4J} \Rightarrow A\Delta = \frac{4^2J_3}{4J} \Rightarrow A\Delta = \frac{16J_3}{4J}$$

A2=(4J3)2

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

m2) 1.12. 0 1702 1, 10/18