## Prismas

Naihara Barboza-317

$$At = 2Ab + Al$$

$$Ab = L^{2}$$

$$Al = 4 + Ar \Rightarrow Al = 4 + 1.3$$

$$Ar = b. n$$

$$Ar = b. n$$

$$Ar = l. n$$

$$Ar = l. n$$

$$Ar = l. 3$$

$$4 \text{ laterais}$$

$$Al = 12l$$

$$2l^{2} + 12l - 80 = 0$$

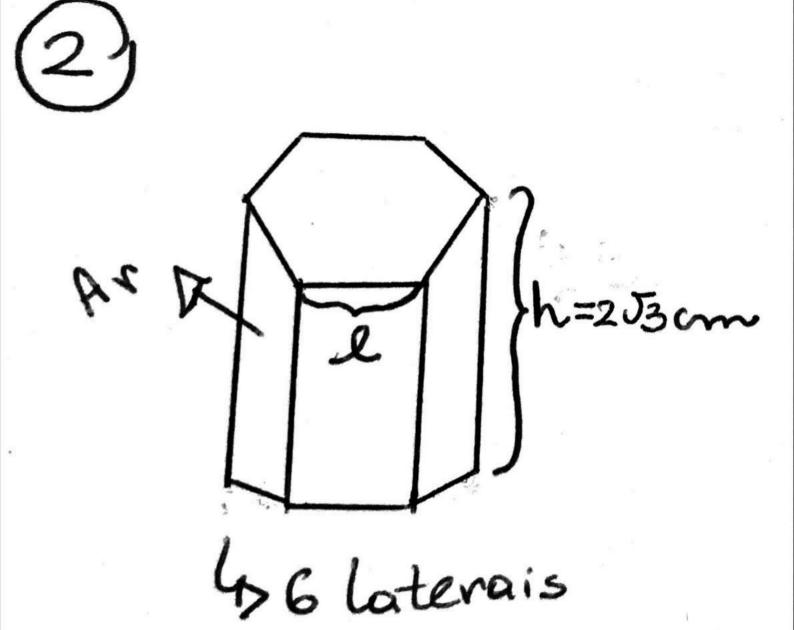
$$-10 + 4 = 6 = -6$$

$$-10 \cdot 4 = 6 = -40$$

S={-10,43

positiva

medida # !



$$\frac{1}{4}$$

$$24 J3 = 6. L^{2} J_{3}$$

$$4(24 J3) = 6. L^{2} J_{3}$$

$$4(24 J3) = 6. L^{2} J_{3}$$

$$96 J_{3} = L^{2}.6 J_{3}$$

$$Ar = 0.h$$

$$Ar = 1.h$$

$$Ar = 8$$

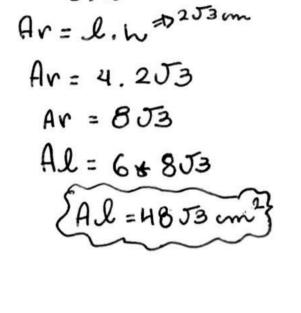
$$Al = 6$$

l2 = 96 J3

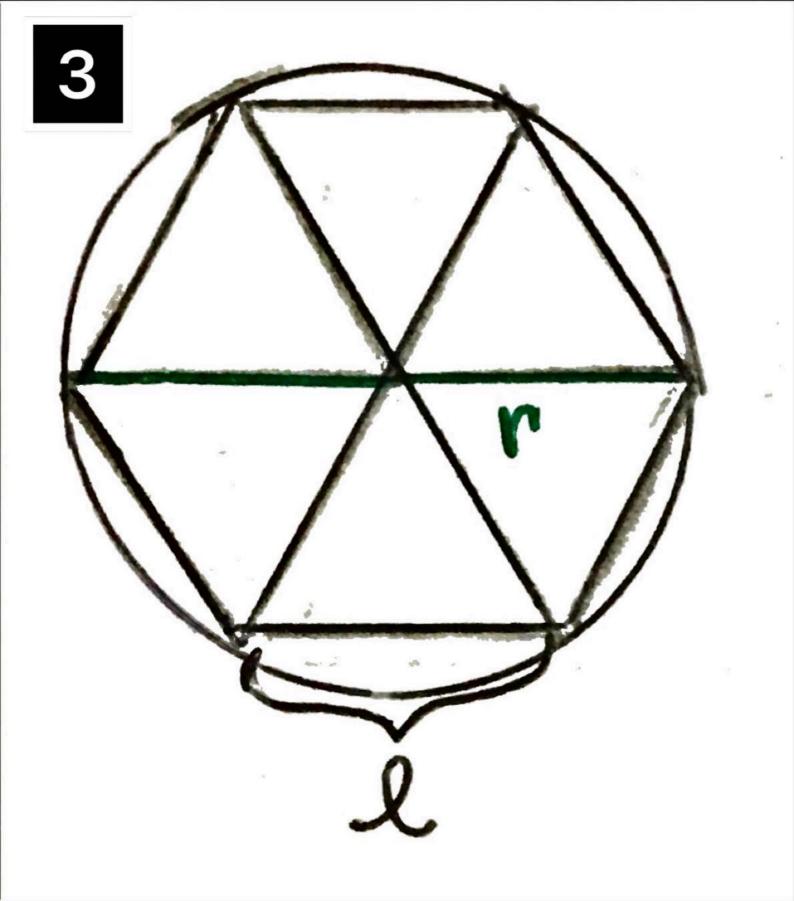
1°= 16

l = J16

Ab= 6. 22 J3



AL = 6 + Ar



Ab = 
$$l^2 \overline{J3}$$

herefore = 6 Laterais

 $Y = L$ 
 $4L = 6 * Av$ 
 $4V = A = v^2 \overline{J3}$ 
 $Av = b \cdot h$ 
 $Av = L \cdot h \Rightarrow U3$ 
 $Av =$ 

SAt = 24 J3

Area 
$$\Delta = 2 = 2 + \pi$$
 $6 = 2 \times 2$ 
 $25 = h^2 + 9$ 
 $25 = h^2$ 
 $2$ 

h=4

Ab = 20 m2

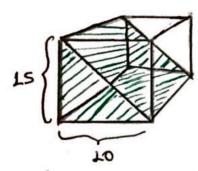
Ab = (B+b). h

x = 6/2

x=3

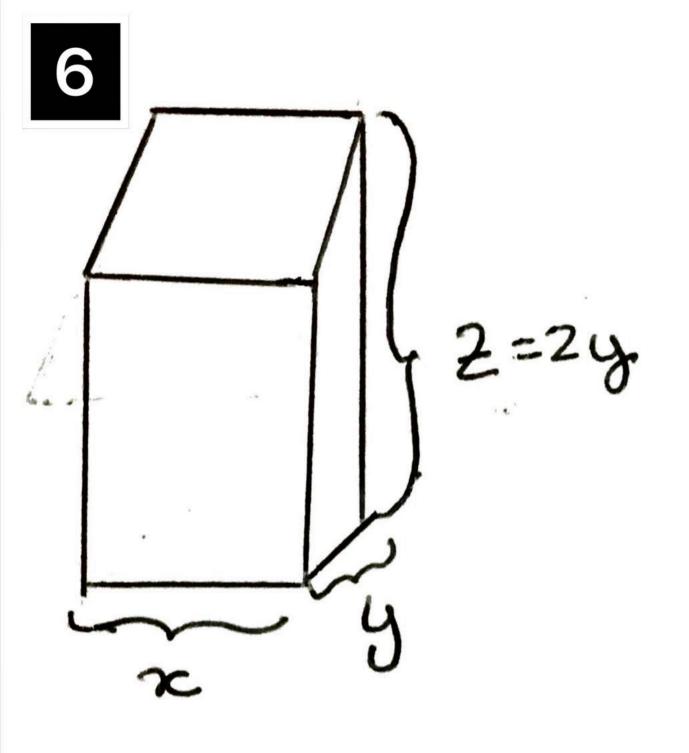
$$V = 20.5$$
 $V = 100 \text{ m}$ 





 $V_{\Box} = ab. h$   $V_{\Box} = 100.15$  $V_{\Box} = 1500$ 

to a cunha é a metade de um prisma de base quadrada.



Ab=x.y AL=4120.2) Dárea da lateral retongular At = 2 Ab + AZ 42=2.2.4+4/c.2)

 $4x^{2} = 2\pi y + 4\pi \cdot 42$  2 = 2y  $4x^{2} = 2\pi y + 4\pi \cdot 2y = 2$   $2x^{2} = \pi y + 2\pi \cdot y$ 

continuar "

## Paralelepípedos e cubos Naihara-317

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V=ab.h

ab=b.h

b=51-(0,5\*2) => espessura dos comprimentos b=50/m = 0,5 m

 $\begin{cases} V = 0,125 *0,12 \\ V = 0,015 \text{ m}^3 \end{cases}$ 

h = 26-(0,5+2) = Despessura das larguras

h = 25 cm = 0, 25 m

ab= 0,5 \* 0,25

ab = 0,125 m2

V= 0,125.W

h = 12,5-0,5=1 espessura da altura

h= 12 cm sou 0,12 m

(I) Aresta do cubo = (II) Diagonal  
Área Face = 72/6 = 12 
$$m^2$$
 D =  $aJ3$   
 $a^2$  Dárea quadrado D =  $2J3$ .  $J3$   
 $a = 2J3m$  D =  $2.3$ 



 $V = \alpha^3$ 

a = 50 cm

V=12500 m = 12500

V = 125 m3

$$V = a^{3}$$
  
 $V = L^{3} = L m^{3} = 1000 l$   
 $V = L^{3} = L m^{3} = 1000 l$   
 $V = L^{3} = L m^{3} = 1000 l$ 

Vretivado =  $a^2 \cdot h$   $0,001 = 4^2 \cdot h$ h = 0,001 = 1 baixa de nível 5

V=a.b.c c=altura

V2 = 2a.2b.c

V2 = 4abc

14 vezes a.b.c.

4 ve zes o v

1 V

Vpr = Vc At prisma = 2Ab + AL

Ab = 12 J3 => 14 J3 7 J3 VC=403.403.403

Vpr=((403)2.03). h Ab=16.3.J3 = 48J3 =12J3

 $7)(403)^2.53 \cdot h = 453.403.403$ AL = 3.(2.h) 43 laterais

AL = 3.16.453 53 ·h = 453 AL = 192 UZ

4(403) = hu3 At prismo = 2.1203+19253 1603 = hU3

At prisma = 2.2403+19203  $h = \frac{16\sqrt{3}}{\sqrt{3}} \cdot \frac{\sqrt{3}}{\sqrt{5}} = \frac{16.3}{3} = 16$ (At prisma = 21603 cm