Cones

Naihara-317

(1)

A Geratriz

G 20cm

Avea Later To Cartolina (meio circulo)

4) A setor = 1 TTG2 = 1 TT. 202

A-seton= Alateral

1 Tr 202 = Tr. R. G

1 7/20 = TT. R. 26 cone

= 20=R = DR=10

Distrincia

$$G = H^2 + 10^2$$
 $G = H^2 + 100$
 $G = H^2$

V= = TR2.h = 647 = = 17 1/12.12

V=6410003

64=4R2

R2=16

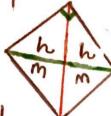
R=J16 = 4cm

AL= TT.R.g

AL = TT.4.



1 givo do triângulo



M=mediona. velativa á hipotenusa

h=altura do triângulo

dois comes x = hipotenusa

$$M=h=\frac{2}{2}$$

m=n=1=1 altura
e mediana

$$4 = R^2 + 1^2$$

Vcone = 1 - TIR2.h

1) V. cilindro = Ab. h

Vcilindro=TTR2. h

Vcilindro=Tr. 32.10

= 9.10 TT = 90TT

metade do volume = 45TT

A prisma = Ab.h₁
$$\frac{1}{3}$$
 $\frac{1}{3}$ $\frac{1}{3}$ $\frac{2}{3}$ $\frac{1}{3}$ $\frac{2}{3}$ $\frac{1}{3}$ $\frac{2}{3}$ $\frac{1}{3}$ $\frac{2}{3}$ $\frac{1}{3}$ $\frac{2}{3}$ $\frac{2}{$

$$\frac{2h_2}{3} = \frac{2h_2}{3} \cdot \frac{3}{h_2} + \frac{3}{h_2}$$

Inoncos

(4) Vg ronde = 1 TT. 3.38 = 24TT cm

(v2) V pequeno = 1/2. V grande = 1/2. 24 = 12 Trom3

 $\frac{V_1}{V_2} = \left(\frac{2}{8}\right)^3 \Rightarrow \frac{12\pi}{24\pi} = \frac{\kappa^3}{83} \Rightarrow \frac{1}{2} = \frac{\kappa^3}{83} \Rightarrow \frac{1}{2} = \frac{\kappa^3}{83} = \frac{512}{2}$

Cone major = Viotal (liquido + esperma) = 20 Cone menor = Viquido (líquido - esperma) = 16

$$\frac{\text{Viíquido}}{\text{V total}} = \left(\frac{16}{20}\right)^3 = D\left(\frac{8}{10}\right)^3 = \frac{511}{1000} = 51,2\%$$

Viúquido = 51,2% de Vtorol

$$V_{t} = \frac{h}{R} \Rightarrow R = h \cdot V$$

$$V_{t} = V_{2} - V_{1}$$

$$V_{t} = \pi v^{2} \cdot \lambda$$

V2=TTR2. W

Vt = VL

TT (hm) h

$$\Pi\left(\frac{hr}{\varkappa}\right)^{2}-\Pi r^{2}\varkappa=\Pi r^{2}\varkappa$$

Am=50m

$$h = 50m$$

 $h = 50m$
 $Am = 80m$
 $Am = 80m$

$$V_{t} = \frac{\pi \kappa}{3} (R^{2} + r^{2} + R.r) \Rightarrow V_{t} = \frac{\pi .4}{3} (6^{2} + 2^{2} + 5.2)$$

$$\kappa = 4m$$

$$R = 6m$$

$$r = 2m$$

$$V_{t} = 4\pi .39 = 156\pi .5$$

VE-4TT.39 -> 156TT \$52TT

At = Ab + AB +AL

AL= TT. g (R+r) => Al= TT. L2 (5+2) $9^2 = h^2 + (R - n)^2$ 45 geratriz

g2=42(5-2)2

g2=16.32 $9^2 = 16.9$ 82=144

9= 144 = 22

AL = 847

At = 113 TT

AL=12T. 7

At = 2511+411+841

Ab=TTV2 Ab=1122 Ab=4TT

AB=TR2

AB=TTS2

AB= 2STT

$$g^2 = h^2 + (R-r)^2$$

$$5^{2} = h^{2} + (7-3)^{2}$$
$$25 = h^{2} + 4^{2}$$

$$25 = h^2 + 16$$

$$9 = h^2$$

$$9 = h^2$$

h= US = 3

$$25 = h^2 + 16$$
 $9 = h^2$



$$Vt = \frac{\pi \cdot 3}{\beta} \left(7^2 + 3^2 + 7.3 \right)$$

$$Vt = \pi \cdot (49 + 9 + 21)$$

V= T.h (R2+12+R.n)

$$V_{t} = \pi . (49+3+25)$$

$$V_{t} = \pi . (79)$$

$$Vcp = TT \left(\frac{Rh}{H}\right)^2 \cdot h = TTR^2h^{\frac{3}{2}}$$

$$Vcq = \frac{\pi R^{2} H}{3}$$

$$Vcp = \frac{\pi R^{2} H}{3} - \frac{\pi R^{2} h^{3}}{3 H^{2}}$$

$$= \frac{\pi R^{2} (H^{3} - h^{3})}{3 H^{2}}$$

$$= \frac{\pi R^{2} (H^{3} - h^{3})}{3 H^{2}}$$

VcD=Vtc

$$\frac{\pi R^2 h^3}{3 H^2} = \frac{\pi R^2 (H^3 - h^3)}{3 H^2} \Rightarrow \pi R^2 (H^3 - h^3)$$

$$h = \frac{3}{12} + \frac{3}{3} \frac{3}{2} = 12$$