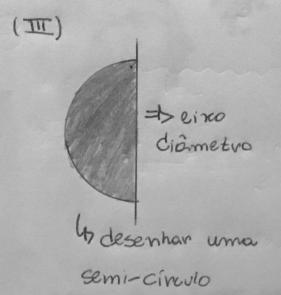
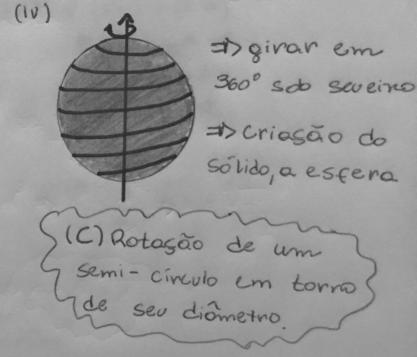


-De givar a semi-e. em 360° sob seu eixo => criar uma "cosca" a superficie esférica





$$V_{1} = \frac{4}{3} \text{ Tr. } 1^{3} = \frac{4}{3} \text{ Tr. } 1^{3} = \frac{4}{3} \text{ Tr. } 1^{3} = \frac{4}{3} \text{ Tr. } 1.000.000$$

$$V_{2} = \frac{4}{3} \text{ Tr. } 1.000.000$$

$$R = \frac{3}{3} = \frac{10^{6}}{10^{6}}$$

$$R = \frac{3}{10^{6}} = \frac{10^{6}}{10^{6}}$$

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V=4T.R3

$$2^{2}h \Rightarrow (2n)^{2} = h^{2} + (2R)^{2} \Rightarrow h = 2n$$

$$(2n)^{2} + (2n)^{2} = (2R)^{2}$$

$$8n^{2} = 4R^{2}$$

$$2n^{2} = R^{2}$$

$$r \sqrt{2} = R$$

Vestera = 4TT
$$R^3$$
 = $\frac{4TT}{3}$ = $\frac{8TT}{3}$ = $\frac{8TT}{3}$ $\frac{3}{3}$

Veilindro = $\frac{1}{3}$ $\frac{1}{3}$

40 volume das duas esferas é igual ao cilindro

Vailindro = TT. r3.2

 $4\pi \frac{3}{3} + 4\pi \frac{3}{3} = \pi r^2.3 \Rightarrow 9r^2 = 36$

36.3TT = 4TT 13

Veilindro = $\pi \cdot 6^2 \cdot 1 = 36\pi$

(I) O diâmetro de esfera deve ten o tomonho

288.3 = 4r3

864 = 4v3

216=V

r=66m

boli=
$$\frac{V_{cilindro}}{V_{doce}}$$
 => boli= $\frac{1600 \text{ TI}}{3} = \frac{50}{32 \text{ F}} = \frac{50.3}{32 \text{ F}} = \frac{5$

Voilindro = 100,16.TT $V doce = \frac{4}{3}$.TT. 2^3 $V doce = \frac{4}{3}$ $V doce = \frac{8.4}{3}$

Vcilindro= TT. 102. 16

r=10cm

Inscrição e Circunscrição de Sólidos

A superficial (espera) = $4\pi T v^2$ $4\pi T \left(\frac{\alpha}{2}\right)^2$ 494404 circonsévências nas 4 faces do cubo

A superficial (espena) =
$$\frac{\pi}{6.9^2}$$

A superficial (cubo) = $\frac{\pi}{6.9^2}$

Vcubo =
$$a^3$$

 $d = a\sqrt{3}$
 $d = 2R$

$$Q = \frac{2R}{\sqrt{3}} \cdot \frac{\sqrt{3}}{\sqrt{3}} = \frac{2R\sqrt{3}}{3}$$

Vestera =
$$\frac{4\pi R^3}{V cubo}$$
 = $\frac{4\pi R^3}{\left(\frac{2R\sqrt{3}}{3}\right)^3}$ = $\frac{4\pi R^3}{8R^3 \cdot \sqrt{3}}$

$$\frac{11.R^3}{3} = \frac{9}{8J3.R^3} = \frac{417R^3.83}{28J3.R^3.8} = \frac{11.3}{2J3} = \frac{311}{2J3}$$

$$\frac{3\pi}{2\sqrt{3}}$$
 $\frac{5}{\sqrt{3}} = \frac{5\pi\sqrt{3}}{2 \cdot 8} = \frac{\pi\sqrt{3}}{2} = \frac{5\pi}{2}$

$$\frac{6}{4\pi 1^{3}} + \frac{4\pi 2}{3} = \pi r^{2}.3 \Rightarrow 9r^{2} = 36$$

$$r = \frac{36}{9}$$

