Esferas e suas partes – Inscrição e Circunscrição de Sólidos:

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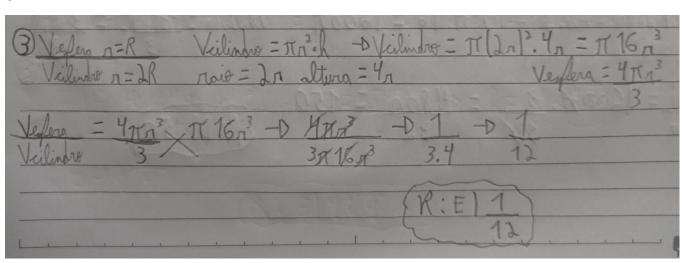
1. R: c) pela rotação de um semi-círculo em torno do seu diâmetro.

2.

D Verlera =	47513-	YX13 = 10	000000.4ft -D	n= 31000000 -0 1	1=100
	3	8	3/		
				(R: 100)	
	E	53 344			1

R: 100

3.



R: e) $\frac{1}{12}$

4.

(9) Verfera 1 = 471.13 = 471 Verfera 2 = 471.13 = 32.71
Vtotal = V1+V2 -D Watel = 41 + 327 = 367 - 5 Vtotal = 12 17 cm ³
Velingro = Alad. 1217 = 172. ft -D 12pr = 17. n2.3 -D n2 = 12. Velingro = Vtotal
1=14-D 1=7 (K:B) 2)

R: b) 2

5.

5)
$$V_1 = \pi n^2 \cdot h = \pi 36 \cdot h$$
 $V_2 = \pi n^2 \cdot (k+1) = \pi 36 \pi + \pi 36 = \pi 36 \pi = 36 \pi$

$$V_3 = \frac{4\pi n^3}{3} + \frac{36\pi}{3} = \frac{4\pi n^3}{3} + \frac{36\pi}{3} = \frac{108}{4} + \frac{3}{108} = \frac{$$

R: c) 3cm

6.

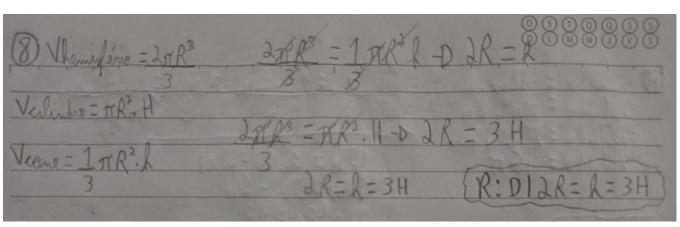
R: e) 12cm

7.

Dyponela = Alah = 1025	1.16 = 1600π	Vhalinha = 49	r.23 = 327
The state of the s	Tabilla + his	Liberty 23	3 = 3
To the safe state of	alt = geth	AL ESIAN	S. P. Marie and S.
V = 1600 f. 3 = =	4800 = 150	-	
v 32x (-	32- 1	(R: D) 15	10/1=
	31/6/ 3.1		Wanter War

R: d) 150

8.



R: d) 2R = h = 3H

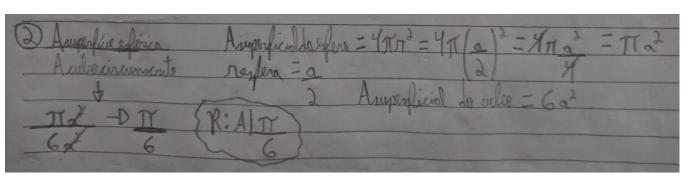
Inscrição e Circunscrição de Sólidos:

1.

DA = 411R3 R2 = 1001	$R^{2} = n^{2} + [1 - R]^{2}$ $R^{2} = n^{2} + [1 - R]^{2}$ $R^{3} = n^{2} + [1 - R]^{2}$ $R^{3} = n^{2} + [1 - R]^{2}$ $R^{3} = n^{2} + [1 - R]^{2}$ $R^{4} = n^{2} + [1 - R]^{2}$ $R^{5} = n^{2} + [1 - R]^{2}$
R= V25 R= 5	5=30 D5R=15-DR=15 -DR=3m
	5 (R:3m)

R: 3m

2.



R: a) $\frac{\pi}{6}$

3.

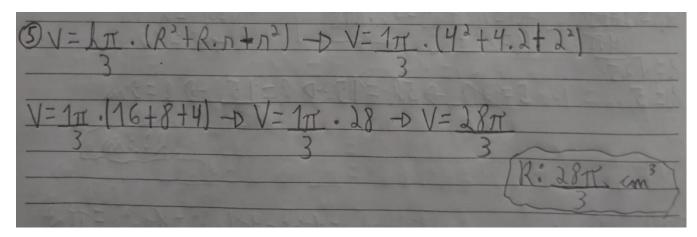
3) Verlena de n=R diagonal culo = 2R Veulos insento diagonal culo = a $\sqrt{3}$	2R=aV3-DR=aV3
Ve = 411/3 x 03 - D 411/3 - D 41/ (N/3) 3 - D Ve 3 3 3 3 3 2	4773353 -D 1253-11-D
-D √3 π (R: β √3 π)	

R: b) $\frac{\sqrt{3}}{2}\pi$

4.

D Villinger = Alosech Villinger = Mo2. 27	7=12-27 -075	12-21
Villingho = 167	12n = 3.(12 - 2n)	
	12n=36-6n 12n+6n=36	
(K: 16 \(m^3 \)	カ=36 ー [7=2]	PE PER PE

R: 16πm³



 $R:\frac{28\pi}{3}\text{cm}^3$