



2ª Série Matemática

Professor Diego - Tarefa 02

13. $\frac{V}{6}$

GABARITO:

01.

- a) $\sqrt{3} \text{ dm}^2$
- b) $\frac{\sqrt{2}}{2} \text{ dm}$

02.

- a) $20\sqrt{2} \text{ cm}$
- b) $\frac{2000\sqrt{6}}{3} \text{ cm}^3$

03.

- a) $A_t = 2\sqrt{3}a^2$
- b) $V = \frac{a^3\sqrt{2}}{3}$
- c) $AD = \frac{a\sqrt{6}}{3}$

04.

- a) $\alpha = \frac{\pi}{4}$
- b) $S = \frac{\ell^2\sqrt{6}}{8}$
- c) $V = \frac{\ell^3}{16}$

05.

- a) 14 faces
- b) $x = \frac{a}{2}$

06. 80

07. $204 + 4\sqrt{3} \text{ cm}^2$

08. 5cm

09. $\frac{V(A_1BC_1D)}{V(ABCDA_1B_1C_1D_1)} = \frac{xyz/3}{xyz} = \frac{1}{3}$

10. $\frac{5\sqrt{2}}{12} \cdot \ell^3$

11. 3 folhas

12.

- a) $5\sqrt{2} \text{ cm}$
- b) $\frac{500}{3} \text{ cm}^3$

14. 5 faces quadrangulares e 2 faces pentagonais