

Tarea básica

$$1) V_1 = 6000\pi \text{ cm}^3$$

$$x = 4000\pi \cdot 1/5$$

$$x = 800\pi \text{ cm}^3$$

$$800\pi = \pi \cdot 5^2 \cdot h$$

$$h = 800\pi / 25\pi = 32 \text{ cm}$$

$$2) C_1; V = 2\pi \cdot r^3 \quad e \quad C_2: V = 16\pi \cdot r^3$$

$$(2\pi \cdot r^3) / (16\pi \cdot r^3) = 1/27$$

$$\left(\frac{R}{r}\right)^3 = 1/27$$

$$R/r = \sqrt[3]{5/27}$$

$$R/r = 2/3$$

$$3) 3\pi \cdot r h = 2\pi \cdot r^2 + 2\pi \cdot rh$$

$$\cancel{\pi} \cdot r h = 2\pi \cdot r^2$$

$$r = h/2$$

$$(h/2)^2 \cdot h = 16$$

$$(h^2/4) \cdot h = 16$$

$$h^3 = 64$$

$$h = 4$$

$$S) V = \pi \cdot 20^\circ \cdot 0,08$$

$$V = \pi \cdot 400 \cdot 0,08$$

$$V = 32\pi$$

$$V = 32 \cdot 3,14 = 100,48 \text{ cm}^3$$

letra B

Tarrete Básica

$$1) 48 = (1/3) \cdot 2x^2 \cdot 8$$

$$48 = (16x^2 / 3)$$

$$144 = 16x^2$$

$$x = \sqrt{9} = 3 \text{ cm}$$

~~letra C~~

$$2) m^2 = 30^\circ + 40^\circ$$

$$m^\circ = 900 + 1600$$

$$m = \sqrt{2500} = 50 \text{ mm}$$

$$\Delta_1 = 80(80+100)$$

$$A_1 = 80 \cdot 180$$

$$\Delta_1 = 14400 \text{ mm}^2$$

~~letra E.~~

$$3) m = \sqrt{2} \cdot (\sqrt{3}/2)$$

$$m = \sqrt{6}/2 \text{ cm}$$

$$(\sqrt{6}/2)^2 = h^2 + (\sqrt{2}/2)^2 \quad \text{letra C}$$

$$6/4 = h^2 + 2/4$$

$$h^2 = 6/4 - 2/4$$

$$h = \sqrt{1} = 1 \text{ cm}$$

$$4) A_b = (3\sqrt{3} \cdot a^2)/2$$

$$V = 1/3 \cdot (3\sqrt{3} \cdot a^2)/2 \cdot 5\sqrt{3}$$

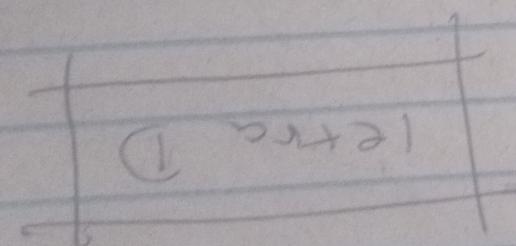
$$V = (3 \cdot 3 \cdot a^2 \cdot b)/3 \cdot 2$$

$$V = 3a^2 \cdot b$$

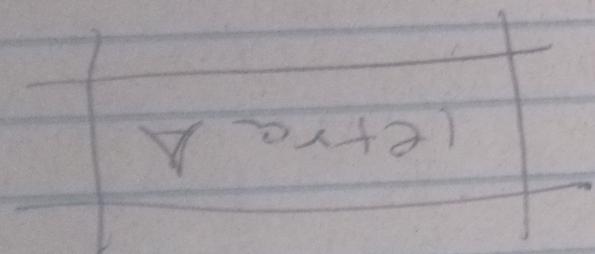
$$2$$

~~letra A~~

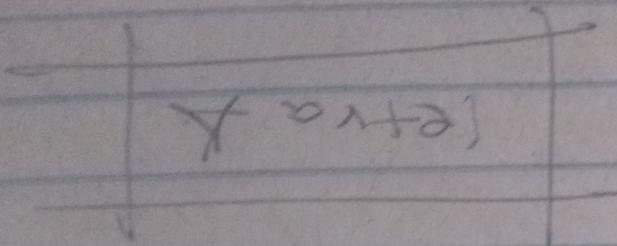
① ② ③ ④ ⑤ ⑥ ⑦



$$S) A_B = (3\sqrt{3} \cdot 4\sqrt{3}) / 2$$
$$A_B = (3\sqrt{3} \cdot 16) / 2$$
$$A_B = 24\sqrt{3} \text{ cm}^2$$
$$V = 1 / 3 \cdot 24\sqrt{3} \cdot 6\sqrt{3}$$
$$V = (144 \cdot 3) / 3 = 44 \text{ cm}^3$$



$$6) - A_B = (3\sqrt{3} \cdot 12) / 2$$
$$A_B = (3\sqrt{3}) / 2 \text{ cm}^2$$
$$V = 1 / 3 \cdot (3\sqrt{3}) / 2 \cdot 8$$
$$V = 1 / 2 \cdot (3\sqrt{3}) / 2 \cdot 8$$



$$7) V_{B_{\text{max}}} = 1 / 3 \cdot 4\sqrt{3} \cdot 12$$
$$V_{B_{\text{max}}} = (4\sqrt{3} \cdot 12) / 3$$
$$V_{\text{Psuma}} = (4\sqrt{3} \cdot 12) / 3$$
$$V_{\text{Pwide}} = 4\sqrt{3} \cdot 12$$
$$a^2 \cdot h / 3 = 4\sqrt{3} \cdot 12 / 3$$
$$a^2 \cdot h \cdot ((3) / 3a^2 \cdot h) = 3 / 3$$

$$8) A_+ = a^2 \sqrt{3}$$

$$6\sqrt{3} = a^2 \sqrt{3}$$

$$a = \sqrt{6} \text{ cm}$$

$$r = \sqrt{6} \cdot \sqrt{6}/3$$

$$r = 6/3$$

$$r = 2 \text{ cm}$$

+
+ Letra A
+
+