MATEMATICO IL 28/7/2023 ANALISIS 2º PARCIAL P1) VOL(E) = SS dx dy dz = 12 = 8 (4) = =) (8 \3-282 - 82) dy dg $= \int_{0}^{2\pi} (8\sqrt{3-2}g^{2} - g^{2}) dy dg = \begin{cases} g \leq z \\ g^{2} \end{cases}$ $= \pi \left[\int (3\sqrt{3-2})^2 - 3^2 ds \right] = \pi \left[\frac{(3-2)^2}{-6} \right]^{3/2} = \frac{1}{3} \left[\frac{(3-2$ $u = 3 - 2g^{2}$ du = -4g dg $\int u^{1/2} du = u$ $-4g = 3 - 2g^{2}$ $\int u^{1/2} du = u$ $-4g = 3 - 2g^{2}$ $\int u^{1/2} du = u$ $-4g = 3 - 2g^{2}$ $= \pi \left(-\frac{1}{6} - \frac{7}{3} - \frac{3\sqrt{3}}{-6} \right) = \frac{3\sqrt{3} - 3}{6}$ $= \frac{3\sqrt{3} - 3}{6}$ $= \frac{3\sqrt{3} - 3}{6}$ =4 11 1.2 = [811

$$\begin{array}{l} P3 \\ \hline \\ \int_{0}^{2} \left(\frac{x}{4}, \frac{y}{4}, \frac{z}{3} \right) = \left(\frac{x}{4} - \frac{y}{4} - \frac{z}{3}, \frac{y}{4} - \frac{z}{3} \right) \\ \hline \\ \int_{0}^{2} \int_{0}^{2} \int_{0}^{2} \frac{1}{4} + \frac{z}{3} & 1 \\ \hline \\ \int_{0}^{2} \int_{0}^{2} \int_{0}^{2} \frac{1}{4} + \frac{z}{3} & 1 \\ \hline \\ \int_{0}^{2} \int_{0}^{2} \int_{0}^{2} \frac{1}{4} + \frac{z}{3} & 1 \\ \hline \\ \int_{0}^{2} \int_{0}^{2} \int_{0}^{2} \frac{1}{4} + \frac{z}{3} & 1 \\ \hline \\ \int_{0}^{2} \int_{0}^{2} \int_{0}^{2} \frac{1}{4} + \frac{z}{3} & 1 \\ \hline \\ \int_{0}^{2} \int_{0}^{2} \int_{0}^{2} \frac{1}{4} + \frac{z}{3} & 1 \\ \hline \\ \int_{0}^{2} \int_{0}^{2} \left(\frac{12x - 2x - 3y}{4} \right) dy dx = \frac{1}{2} \int_{0}^{2} \left(\frac{12y - 2x - 3y}{4} + \frac{z}{3} \right) dx = \frac{1}{2} \int_{0}^{2} \left(\frac{12y - 2x - 3y}{4} + \frac{z}{3} \right) dx = \frac{1}{2} \int_{0}^{2} \left(\frac{12y - 2x - 3y}{4} + \frac{z}{3} \right) dx = \frac{1}{2} \int_{0}^{2} \left(\frac{12y - 2x - 3y}{4} + \frac{z}{3} \right) dx = \frac{1}{2} \int_{0}^{2} \left(\frac{12y - 2x - 3y}{4} + \frac{z}{4} \right) dx = \frac{1}{2} \int_{0}^{2} \left(\frac{12y - 2x - 3y}{4} + \frac{z}{4} \right) dx = \frac{1}{2} \int_{0}^{2} \left(\frac{12y - 2x - 3y}{4} + \frac{z}{4} \right) dx = \frac{1}{2} \int_{0}^{2} \left(\frac{12y - 2x - 3y}{4} + \frac{z}{4} \right) dx = \frac{1}{2} \int_{0}^{2} \left(\frac{12y - 2x - 3y}{4} + \frac{z}{4} \right) dx = \frac{1}{2} \int_{0}^{2} \left(\frac{12y - 2x - 3y}{4} + \frac{z}{4} \right) dx = \frac{1}{2} \int_{0}^{2} \left(\frac{12y - 2x - 3y}{4} + \frac{z}{4} \right) dx = \frac{1}{2} \int_{0}^{2} \left(\frac{12y - 2x - 3y}{4} + \frac{z}{4} \right) dx = \frac{1}{2} \int_{0}^{2} \left(\frac{12y - 2x - 3y}{4} + \frac{z}{4} \right) dx = \frac{1}{2} \int_{0}^{2} \left(\frac{12y - 2x - 3y}{4} + \frac{z}{4} \right) dx = \frac{1}{2} \int_{0}^{2} \left(\frac{12y - 2x - 3y}{4} + \frac{z}{4} \right) dx = \frac{1}{2} \int_{0}^{2} \left(\frac{12y - 2x - 3y}{4} + \frac{z}{4} \right) dx = \frac{1}{2} \int_{0}^{2} \left(\frac{12y - 2x - 3y}{4} + \frac{z}{4} \right) dx = \frac{1}{2} \int_{0}^{2} \left(\frac{12y - 2x - 3y}{4} + \frac{z}{4} \right) dx = \frac{1}{2} \int_{0}^{2} \left(\frac{12y - 2x - 3y}{4} + \frac{z}{4} \right) dx = \frac{1}{2} \int_{0}^{2} \left(\frac{12y - 2x - 3y}{4} + \frac{z}{4} \right) dx = \frac{1}{2} \int_{0}^{2} \left(\frac{12y - 2x - 3y}{4} + \frac{z}{4} \right) dx = \frac{1}{2} \int_{0}^{2} \left(\frac{12y - 2x - 3y}{4} + \frac{z}{4} \right) dx = \frac{1}{2} \int_{0}^{2} \left(\frac{12y - 2x - 3y}{4} + \frac{z}{4} \right) dx = \frac{1}{2} \int_{0}^{2} \left(\frac{12y - 2x - 3y}{4} + \frac{z}{4} \right) dx = \frac{1}{2} \int_{0}^{2} \left(\frac{12y - 2x - 3y}{4} + \frac{z}{4} \right) dx = \frac{1}{2} \int_{0}^{2} \left(\frac{12y - 2x - 3y}{4} + \frac{z}{4}$$