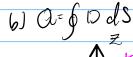
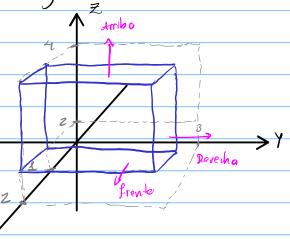
$$f_V = \nabla \cdot \vec{p}$$

$$P_{v} = \frac{\partial}{\partial x} D_{x} + \frac{\partial}{\partial y} D_{y} + \frac{\partial}{\partial z} D_{z}$$

$$\int V = \frac{\partial}{\partial x} \left(\frac{3yz}{z} \right)^2 + \frac{\partial}{\partial y} 2y + \frac{\partial}{\partial z} \left(\frac{x-y}{z} \right)^3$$

$$p_{v} = \frac{\partial}{\partial y} 2y = 21 \frac{c}{m^3}$$





$$1 - \vec{D} = (3yz)^2 \vec{a}_w + 2y \vec{a}_v + (x-y)^3 \vec{a}_z$$

$$\begin{cases} 1 \le x \le 2 \\ 0 \le y \le 3 \\ 2 \le z \le 4 \end{cases}$$

fronte => d\$= dydz ay

derechu=> d\$ = dxdz ay

arnba => d\$ = dxdy az

frente
$$Q_1 = \begin{cases} Q_x \cdot dy dz \\ x=2 \end{cases}$$

$$Q_1 = \int_{2}^{4} \int_{0}^{3} (3yz)^2 dy dz$$

$$Q_2 = \int_{2}^{4} \int_{0}^{3} (3yz)^2 dy dz$$

Oi y az ser igrales pero signo contrario...

Derechou

$$a_3 = \int \int D_Y dx dz$$
 $a_4 = -\int \int D_Y dz dz$
 $a_4 = -\int \int D_Y dx dz$
 $a_4 = -\int \int D_Y dx dz$
 $a_5 = \int \int P_7 dy dx dz$
 $a_6 = \int \int P_7 dy dy$
 $a_6 = \int \int (x-y)^2 dx dy$
 $a_6 = \int \int \int \int (x-y)^2 dx dy$
 $a_6 = \int \int \int \int \int \int \partial x dy dy$