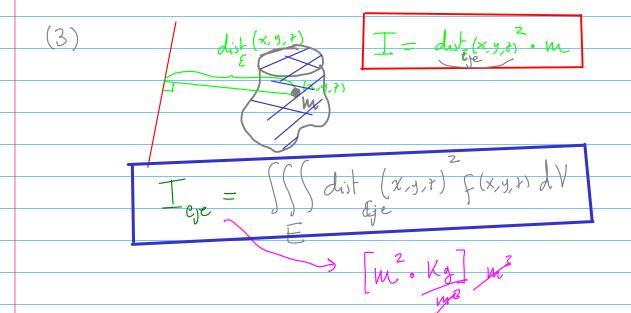
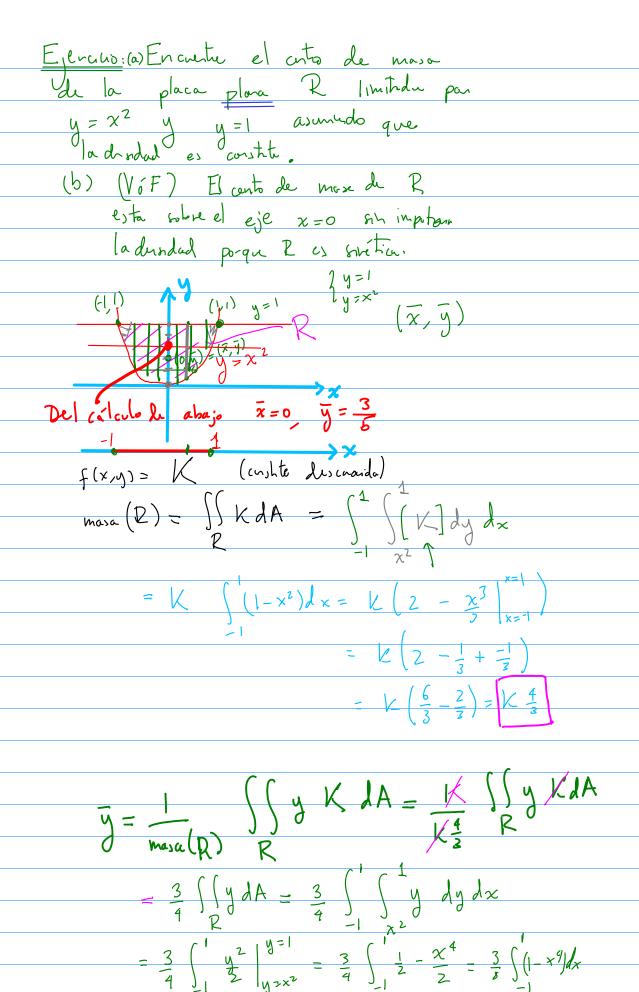


$$(1) \quad \text{masa} \quad (D) = \iint f(x, y) dA$$

$$\frac{1}{x} = \frac{1}{x} \frac{$$





$$= \frac{3}{8} \left(2 - \frac{\chi^{5}}{5} \Big|_{x=-1}^{x=1} \right) = \frac{3}{8} \left(2 - \frac{2}{5} \right) = \frac{3}{8} \cdot \frac{8}{5} = \frac{3}{5}$$

Manto de merco (clan annomico extr * VOLUNTARIA)

Ejemplo

(xiy) H man M y

dunded anshter o

(x), o

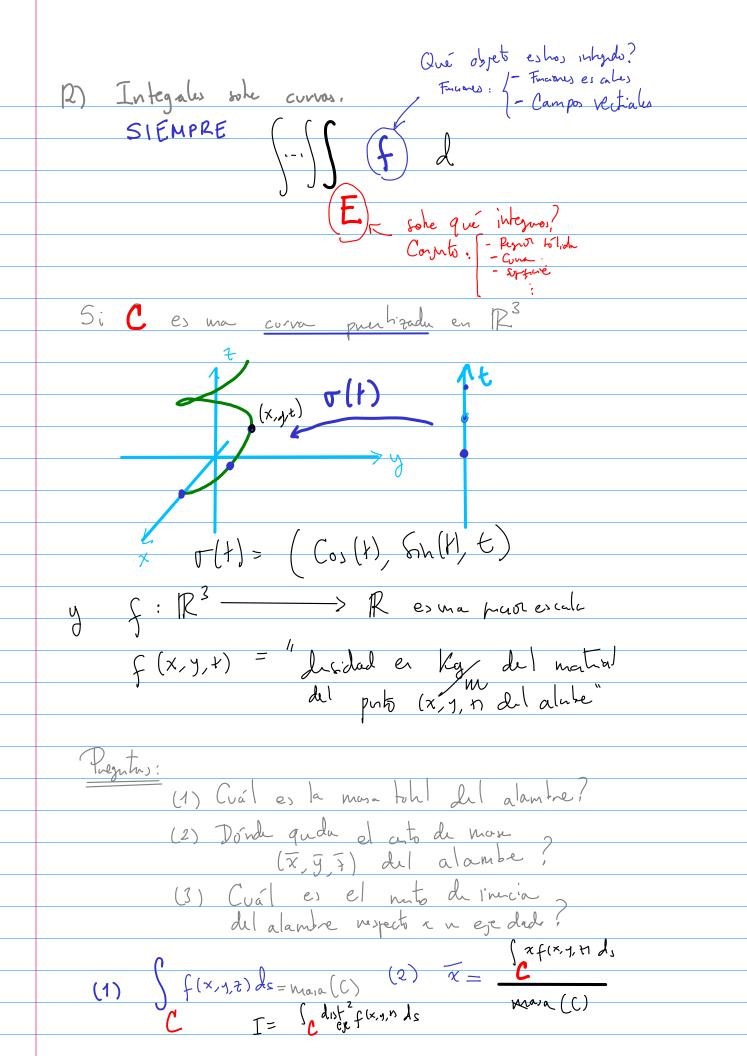
Calale I eye = ?

 $\frac{M}{\pi e^2 H} \int \left(\begin{array}{c} 0 \le t \le H \\ 0 \le v \le R \end{array} \right) \left(\begin{array}{c} 2\pi \left(\begin{array}{c} R \\ \end{array} \right) \left(\begin{array}{c} 3\alpha_{co} h_{up} \\ \end{array} \right) \left(\begin{array}{c} M \\ \pi R^2 H \end{array} \right) \right) \left(\begin{array}{c} X^2 + y^2 \\ 0 \end{array} \right) \left(\begin{array}{c} R \\ \end{array} \right) \left(\begin{array}{c} R \\ \end{array} \right) \left(\begin{array}{c} M \\ \end{array} \right) \left(\begin{array}{c} M$

 $= 2\pi H \left(\int_{0}^{R} r^{3} dr \right) \cdot \frac{M}{\pi R^{2}} = 2\pi R^{4} M$

= 2 R2M C monto de ineca de mailedo so listo alchede del ejen

 $\int \int (x^2 + y^2) \int (x, y, m dV)$ $\int \int \int dx dx dx$



Teorema Si $\tau(t)$ es una parametitanon de C par $A \le t \le B$ entres LIntegal de cálculo 1