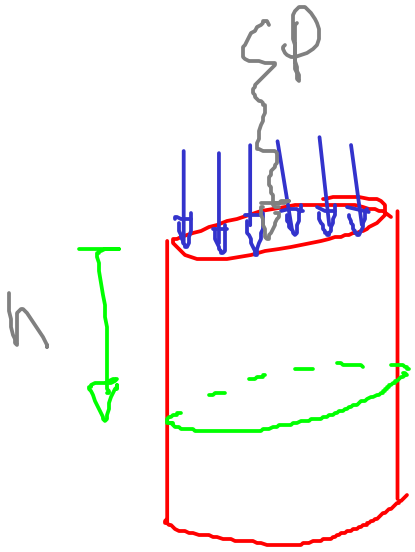
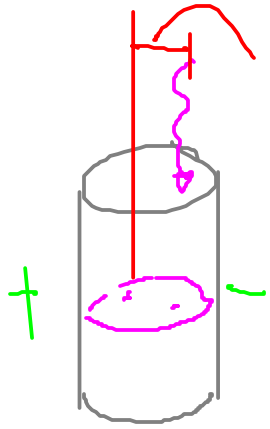
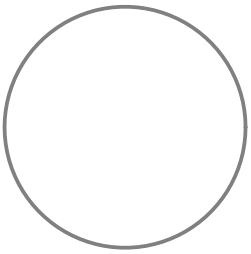


$$\sigma = \frac{P}{A}$$

$$P = \sigma A$$

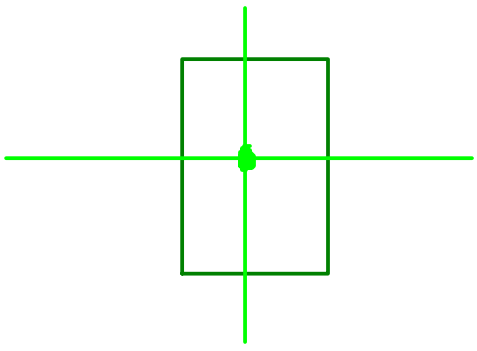


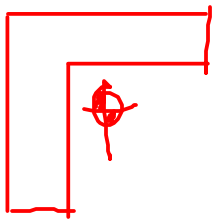
Excentricidad

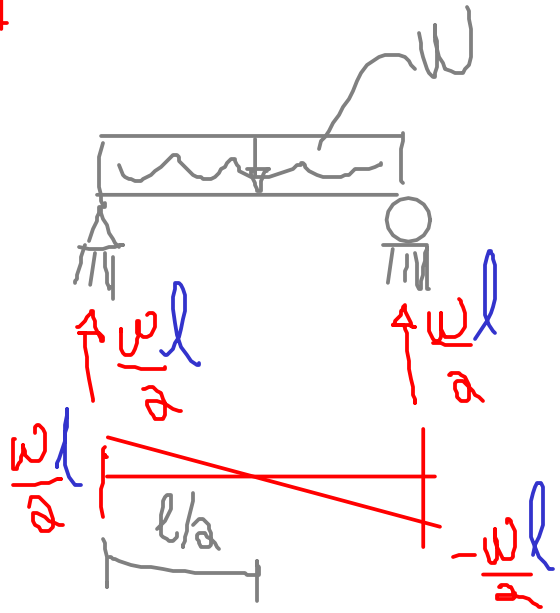


$$\frac{Mc}{I}$$

$$\sigma = \frac{P}{A} + \frac{Mc}{I}$$







$y = w = \text{constante}$

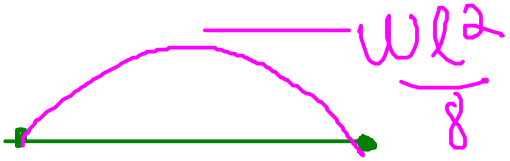
$\int w \rightarrow V$

$\int V \rightarrow M$

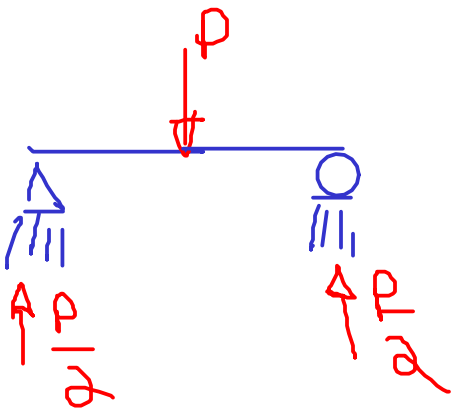
$\int M \rightarrow \theta$

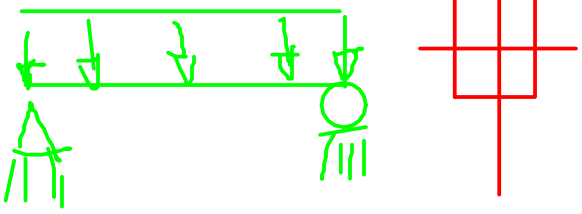
$\int \theta \rightarrow \delta$

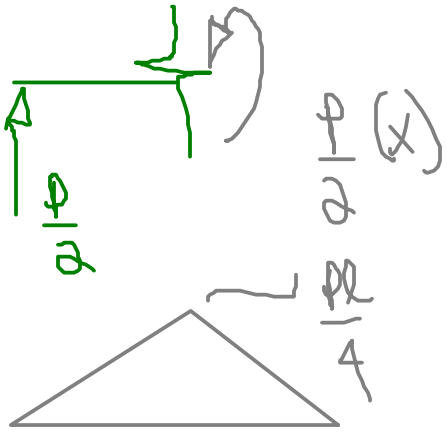
$\int$ área



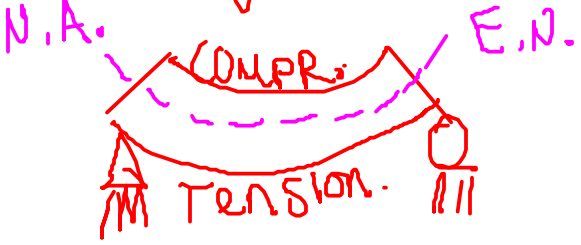
$\frac{1}{2}\left(\frac{l}{2}\right)\left(\frac{wl}{2}\right) = \frac{wl^2}{8}$

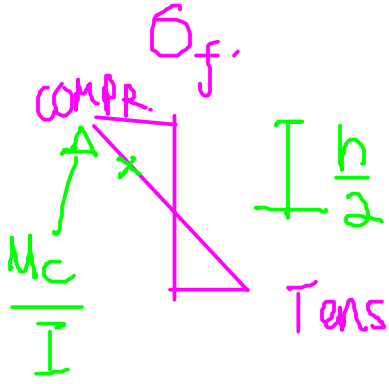


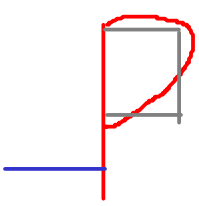




flexión

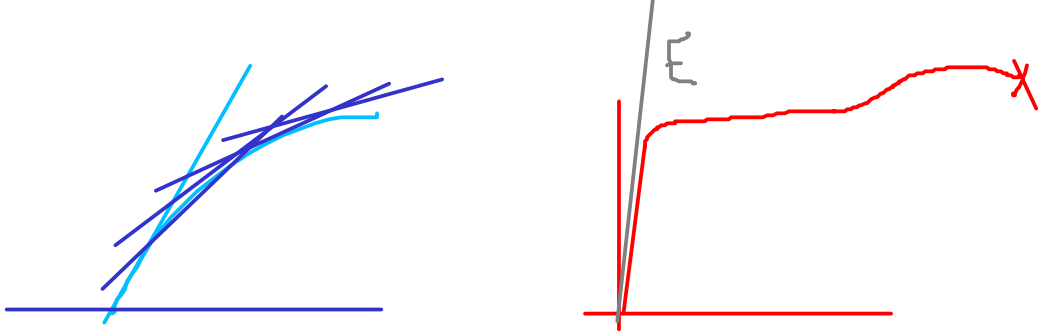






200 $\frac{Kgf}{cm^2}$

$\frac{1}{10}$ 200 = 20

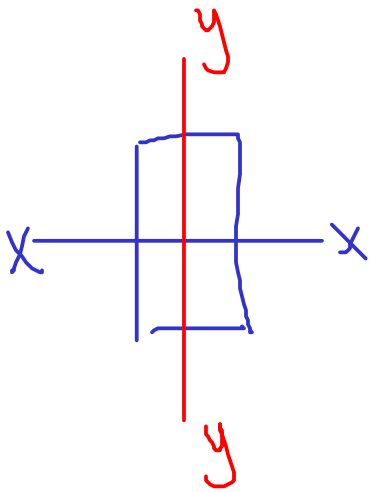


$E_c = 15100\sqrt{f'_c}$ f'_c Resistencia a la compresión

200	280	19,000
250	300	

$\frac{kgf}{cm^2}$

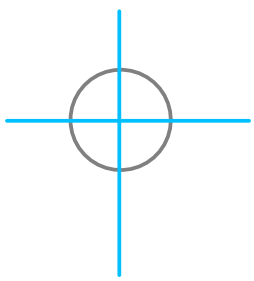
$E_a = 2.04 \times 10^6 \ kgf/cm^2 = 29{,}000 \ ksi$

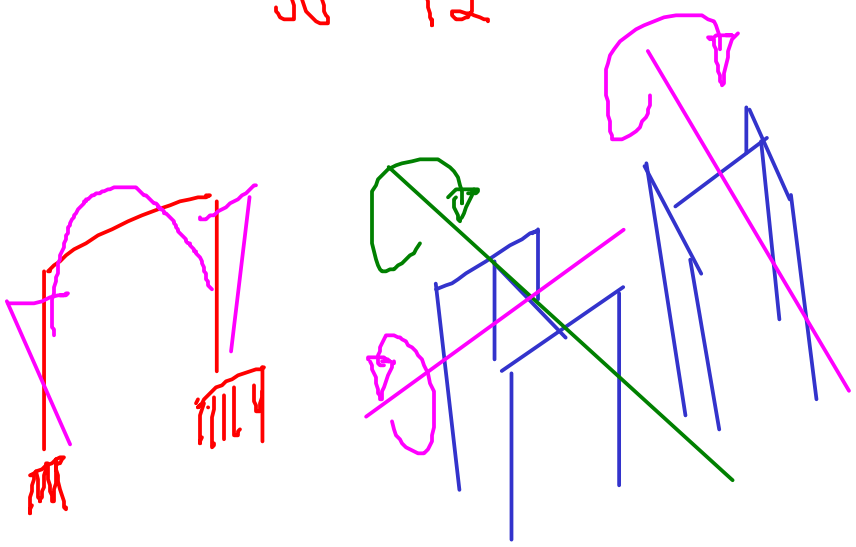


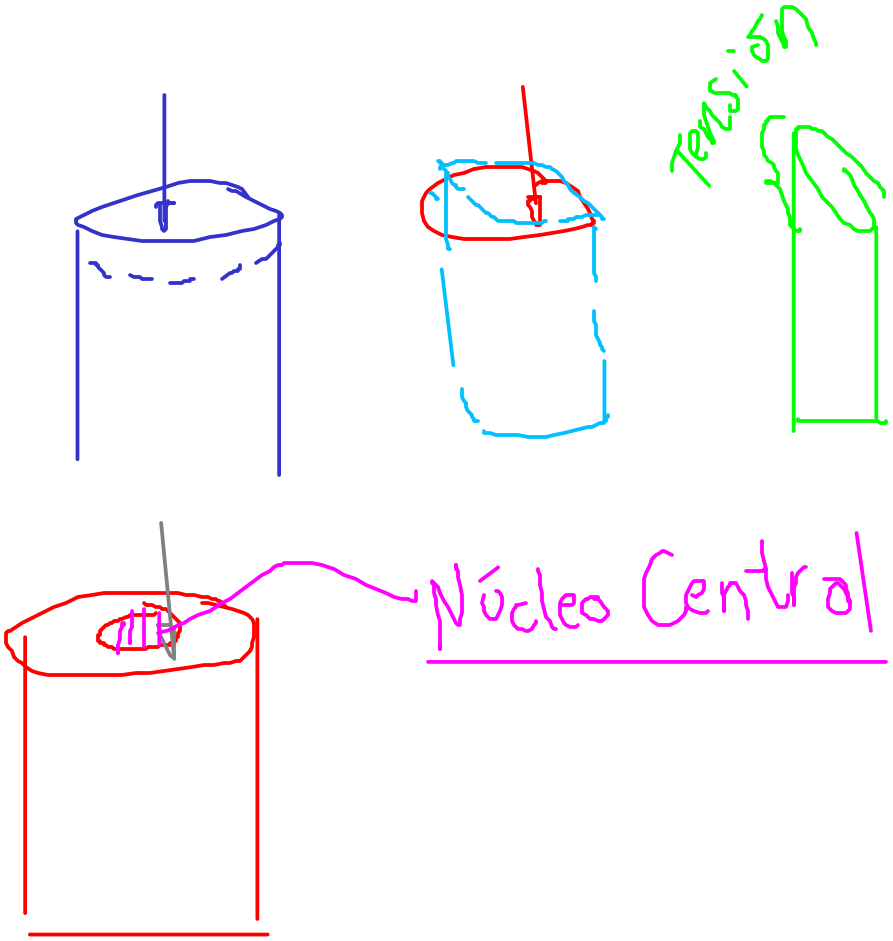
$\sigma = E\varepsilon$

$I_{xx} = \frac{1}{12} b h^3$

$I_{yy} = \frac{1}{12} h b^3$






Tensión
Núcleo Central