Actividad 2:

b) (ampular la de Flexión máxima, aplicando la ecuación elástica.

Sabemos que

$$E \int \frac{dx_3}{ds^{\lambda}} = W(X)$$

EI
$$\frac{dx}{dx} = \int M(x) dx$$

$$EI \frac{d^{2}y}{dx^{2}} = M(x)$$

$$EI \frac{dx}{dx} = \int M(x) dx$$

$$EI \frac{dx}{dx} = -353.31 \frac{x^{2}}{2} + 660 \frac{(x-12)^{2}}{2}$$

$$EI /(x) = -353.31 + 660 + (x=12)^{3} - 567.41 + (1x + 6)$$

Conocemos:

$$T = \frac{\pi(7)}{9} = \frac{\pi(0.75)^2}{9} = 0.4417$$

$$2(x) = \frac{1}{12.814 \times 10^{6}} \left[-353.31 \frac{x^{3}}{6} + 680 \frac{(x-12)^{3}}{6} - 561.417 \frac{(x-3)^{3}}{6} + 610 \frac{(x-12)^{3}}{6} + 610 \frac{(x-$$

conditiones de frontera Aplicando

$$\angle (0) = 0$$
 : $(1 = 31387)$ $\angle (18) = 0$