

NOMBRE:

José Gabriel Mérida Nájera

DOCENTE:

Pedro Alberto García López

MATERIA:

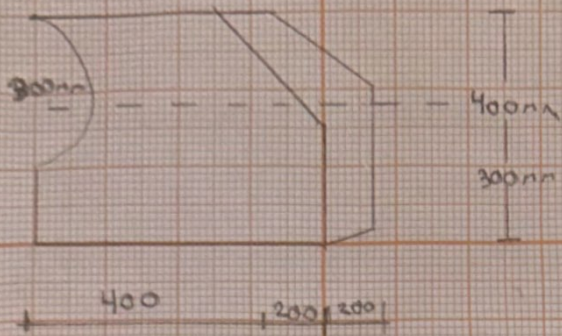
Estatica

CUATRIMESTRE:

3°

FECHA:

15/06/2024



$$A_1 = (800)(700) = 560000$$

$$c_{x1} = \frac{800}{2} = 400$$

$$c_{y1} = \frac{700}{2} = 350$$

$$C_{gx} = \frac{560000(400) + 141372(672.676) + 40000(66.666)}{378.628}$$

$$C_{gx} = \underline{333.403 \text{ mm}}$$

$$A_2 = \frac{11 \cdot R_2}{2} = \frac{3.1416(150)^2}{2} = 141.372$$

$$x_2 = \frac{4(300)}{3(3.1416)} = 127.323 - 800 = 672.674$$

$$x_2 = 300 + 100 = 400 \text{ mm}$$

$$C_{gy} = \frac{560000(350) + 141.372(400) + 40000(133.333)}{378.628}$$

$$C_{gy} = \underline{354.220 \text{ mm}}$$

$$A_3 = -40,000 \text{ mm}^2$$

$$x_3 = \frac{200}{3} = 66.666$$

$$y_3 = \frac{400}{3} = 133.333$$