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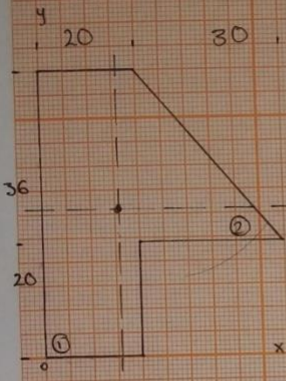
Nombre del trabajo: Ejercicio

Materia: Estatica para la arquitectura

PASIÓN POR EDUCAR

Grado: 3

Grupo: Arquitectura



$$x = \frac{b}{2} = \frac{20}{2} = 10 \text{ cm}$$

$$y = \frac{h}{2} = \frac{36}{2} = 30 \text{ cm}$$

$$A_1 = 1200 \text{ cm}^2$$

$$y = \frac{36}{3} = 12 \text{ cm}, 24 = 36$$

$$x = \frac{30}{3} = 10 \text{ cm}, 20 = 30$$

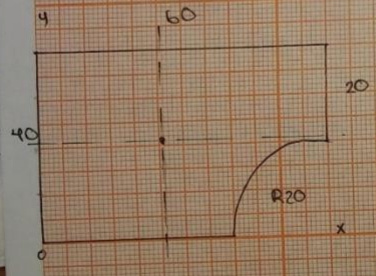
$$A_2 = 540 \text{ cm}^2$$

$$\frac{1200(10) + 540(30)}{1200 + 540}$$

$$\frac{12000 + 16200}{1740} = 16.20 \text{ cm}^2$$

$$\frac{1200(30) + 540(36)}{1200 + 540}$$

$$\frac{36000 + 19440}{1740} = 31.86$$



$$A_1 = 2900 \text{ cm}^2$$

$$x_1 = \frac{60}{2} = 30$$

$$y_1 = \frac{40}{2} = 20$$

$$A_2 = 314.16 \text{ cm}^2$$

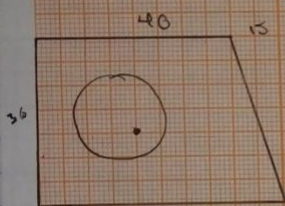
$$x_2 = \frac{40}{3(3.1416)} = 9.4 = 51.51$$

$$x = \frac{2400(30) - 314.16(51.51)}{2085.84}$$

$$\frac{7200 - 16182.38}{2085.84} = 26.76 \text{ cm}$$

$$\frac{2400(20) - 314.16(8.49)}{2085.84}$$

$$\frac{45332.79}{2085.84} = 21.73 \text{ cm}$$



$$A_1 = 1200 \text{ cm}^2$$

$$x_1 = \frac{40}{2} = 20$$

$$y_1 = \frac{30}{2} = 15$$

$$A_3 = \frac{15 \cdot 30}{2} = 225$$

$$x_0 = \frac{15}{3} = 5 \rightarrow 10.45$$

$$y_0 = \frac{30}{3} = 10$$

$$x = 26.47$$

$$y = 12.57$$

$$A_2 = \pi (10)^2 = 314.16$$

$$x_2 = 10 + 0 = 15$$

$$y_2 = 10 + 10 = 20$$

$$\frac{1200(20) - 314.16(15) + 225(45)}{1200 - 314.16 + 225}$$

$$\frac{207126 - 26.47}{1110.84}$$

$$\frac{1200(15) - 314.16(20) + 225(10)}{1200 - 314.16 + 225}$$

$$\frac{13466.8 - 12.57}{1110.84}$$