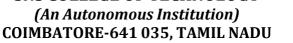
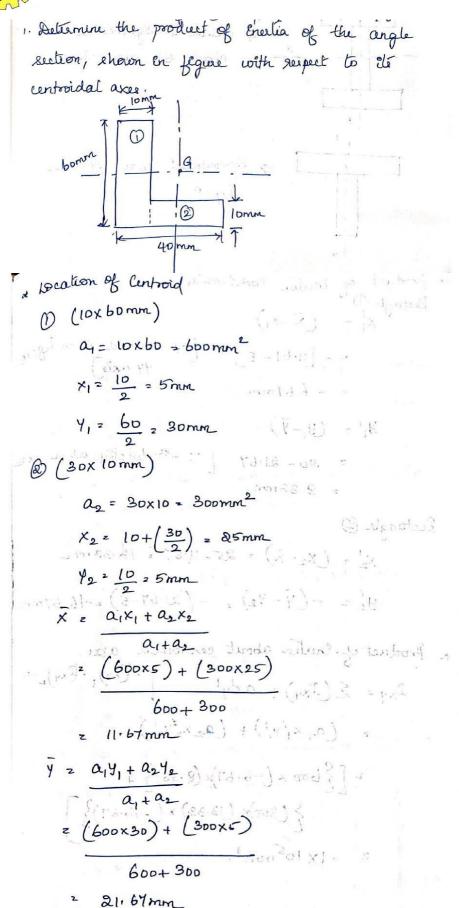


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Product of enertia Coordinates

Rectagle 0 $x_1' = -(x_1 - x_1)$

= - 6.67 mm

Rectangle 2

$$(2)$$
 $(x_2 - \bar{x}) = 25 - 11.67 = 18.33 \text{ mm}$

* Product of Enertia about centroidal axes.

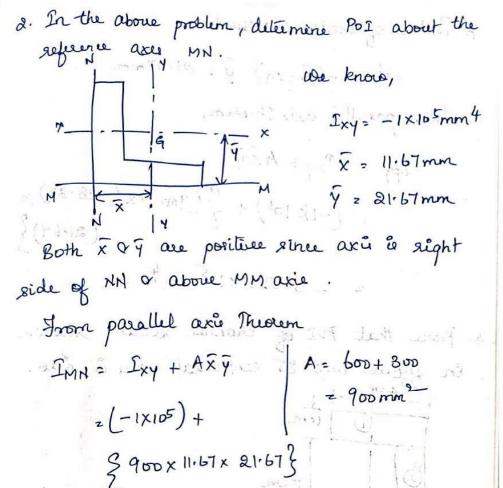
$$Ixy = \sum (Ixy) + ax'y' \qquad | (Ixy)_1 = [xy)_2 = 0$$
 $= (a_1 \times i'y_1') + (a_2 \times i'y_2')$

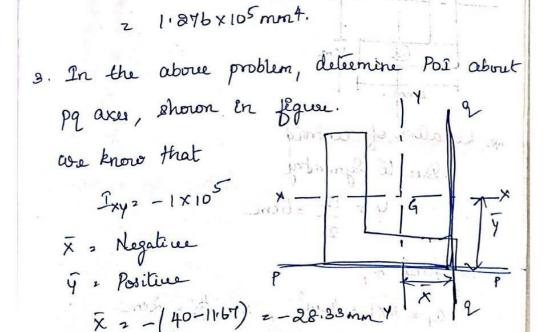
2 -1x105mm4.



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From parallel axis Theorem,

$$Ipq = Ixy + Axy$$

$$= (-1 \times 10^5) + \{ (950) \times (-28.33) \times (21.64) \}$$

$$= -6.525 \times 10^5 \text{ mm} \text{ f.}$$