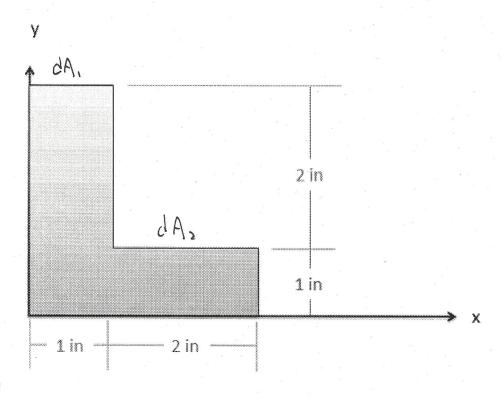
## **Question 3:**

Find the x and y coordinates of the centroid of the shape shown below.



Calculations:

$$\frac{1}{X} = \frac{S_{o}'(3)(x) + S_{1}^{3}(1)(x)}{Aven} = \frac{S_{o}'3x + S_{1}^{3}x}{S_{m}^{2}}$$

$$\frac{1}{3} = \frac{3}{2} \times \frac{2}{5} + \frac{3}{2} = \frac{1}{2} \times \frac{2}{5}$$

$$\frac{\overline{X}}{\overline{Y}} = \frac{S'(3)(y) + S_1'(1)(y)}{Aren} = \frac{S'(3)}{5} + S_1^3 y$$

$$\frac{1!3}{5} + \frac{1}{5} + \frac{1}{5$$

J21.lin

Solution