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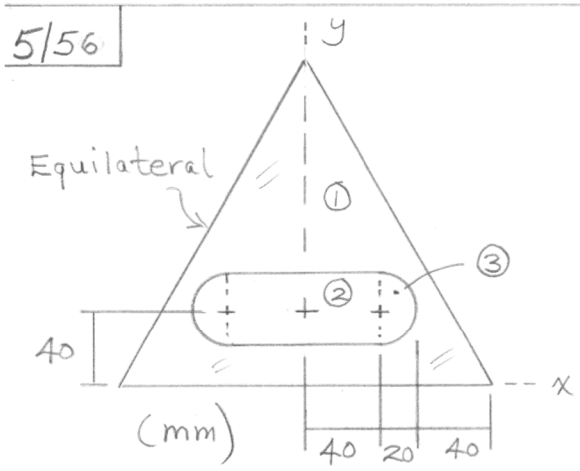

Component	A (mm^2)	$\bar{y}$ (mm)	$\bar{y}A$ (mm^3)
Triangle 1	17 320	57.7	10^6
Rectangle 2	− 3200	40	− 128 000
2 semicircles 3	− 1257	40	− 50,300
	$\Sigma A =$ 12 860		$\Sigma \bar{y}A =$ 822 000

$$\bar{Y} = \frac{\Sigma \bar{y}A}{\Sigma A} \qquad \frac{822000}{12860} = 63.9 \text{ mm}$$