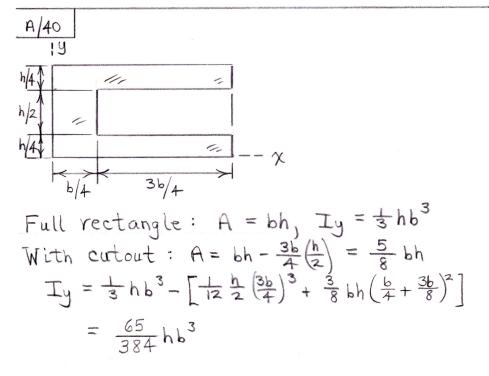
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Percent reductions:

$$n_{A} = \frac{bh - \frac{5}{8}bh}{bh} (100\%) = \frac{37.5\%}{500}$$

$$n_{Ty} = \frac{\frac{1}{3}hb^{3} - \frac{65}{384}hb^{3}}{\frac{1}{3}hb^{3}} = 49.2\%$$