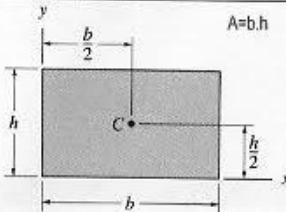
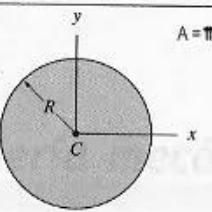
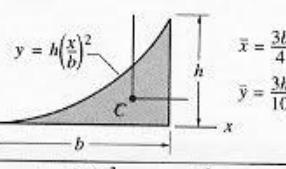
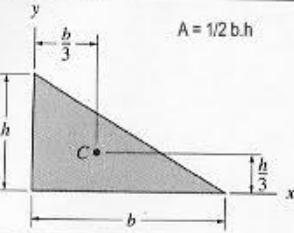
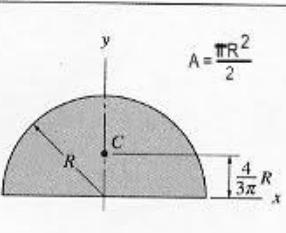
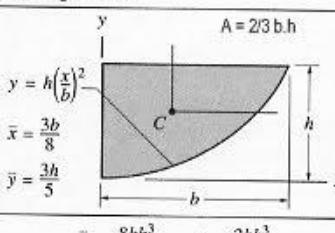
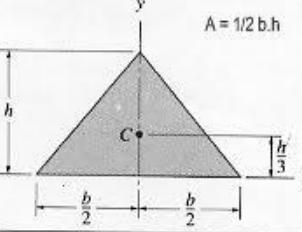
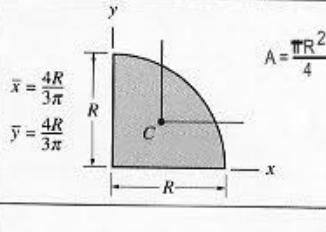
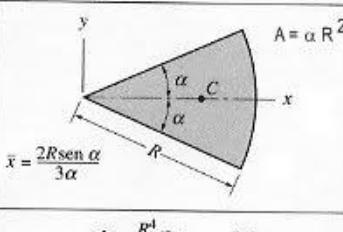
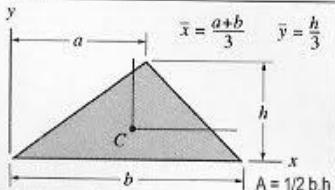
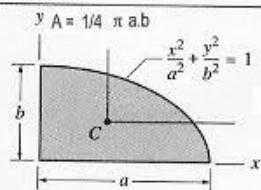


TABLAS DE ESTATICA

Área momento de inercia

Rectángulo	Círculo	Media parabólica complementaria
 <p>A = b.h</p> $\bar{x} = \frac{b}{2}, \bar{y} = \frac{h}{2}$ $\bar{I}_x = \frac{bh^3}{12}, \bar{I}_y = \frac{b^3h}{12}, \bar{I}_{xy} = 0$ $I_x = \frac{bh^3}{3}, I_y = \frac{b^3h}{3}, I_{xy} = \frac{b^2h^2}{4}$	 <p>A = πR^2</p> $I_x = I_y = \frac{\pi R^4}{4}, I_{xy} = 0$	 <p>A = $\frac{1}{4}\pi R^2$</p> $\bar{x} = \frac{3b}{4}, \bar{y} = \frac{3h}{10}$ $\bar{I}_x = \frac{37bh^3}{2100}, I_x = \frac{bh^3}{21}$ $\bar{I}_y = \frac{b^3h}{80}, I_y = \frac{b^3h}{5}$ $\bar{I}_{xy} = \frac{b^2h^2}{120}, I_{xy} = \frac{b^2h^2}{12}$
Triángulo rectángulo	Semicírculo	Media parábola
 <p>A = $\frac{1}{2}b.h$</p> $\bar{x} = \frac{b}{3}, \bar{y} = \frac{h}{3}$ $\bar{I}_x = \frac{bh^3}{36}, \bar{I}_y = \frac{b^3h}{36}, \bar{I}_{xy} = -\frac{b^2h^2}{72}$ $I_x = \frac{bh^3}{12}, I_y = \frac{b^3h}{12}, I_{xy} = \frac{b^2h^2}{24}$	 <p>A = $\frac{\pi R^2}{2}$</p> $\bar{x} = \frac{4R}{3\pi}, \bar{y} = \frac{3h}{5}$ $\bar{I}_x = 0.1098R^4, I_x = 0$ $I_x = I_y = \frac{\pi R^4}{8}, I_{xy} = 0$	 <p>A = $\frac{1}{2}b.h$</p> $\bar{x} = \frac{3b}{8}, \bar{y} = \frac{3h}{5}$ $\bar{I}_x = \frac{8bh^3}{175}, I_x = \frac{2bh^3}{7}$ $\bar{I}_y = \frac{19b^3h}{480}, I_y = \frac{2b^3h}{15}$ $\bar{I}_{xy} = \frac{b^2h^2}{60}, I_{xy} = \frac{b^2h^2}{6}$
Triángulo isósceles	Cuarto de círculo	Sector circular
 <p>A = $\frac{1}{2}b.h$</p> $\bar{x} = \frac{b}{3}, \bar{y} = \frac{h}{3}$ $\bar{I}_x = \frac{bh^3}{36}, \bar{I}_y = \frac{b^3h}{48}, \bar{I}_{xy} = 0$ $I_x = \frac{bh^3}{12}, I_{xy} = 0$	 <p>A = $\frac{\pi R^2}{4}$</p> $\bar{x} = \frac{4R}{3\pi}, \bar{y} = \frac{4R}{3\pi}$ $\bar{I}_x = \bar{I}_y = 0.05488R^4, I_x = I_y = \frac{\pi R^4}{16}$ $\bar{I}_{xy} = -0.01647R^4, I_{xy} = \frac{R^4}{8}$	 <p>A = αR^2</p> $\bar{x} = \frac{2R \operatorname{sen} \alpha}{3\alpha}$ $I_x = \frac{R^4}{8}(2\alpha - \operatorname{sen} 2\alpha)$ $I_y = \frac{R^4}{8}(2\alpha + \operatorname{sen} 2\alpha)$ $I_{xy} = 0$
Triángulo	Cuarto de elipse	
 <p>A = $\frac{1}{2}b.h$</p> $\bar{x} = \frac{a+b}{3}, \bar{y} = \frac{h}{3}$ $\bar{I}_x = \frac{bh^3}{36}, I_x = \frac{bh^3}{12}$ $\bar{I}_y = \frac{bh}{36}(a^2 - ab + b^2), I_y = \frac{bh}{12}(a^2 + ab + b^2)$ $\bar{I}_{xy} = \frac{bh^2}{72}(2a - b), I_{xy} = \frac{bh^2}{24}(2a + b)$	 <p>A = $\frac{1}{4}\pi a.b$</p> $\bar{x} = \frac{4a}{3\pi}, \bar{y} = \frac{4b}{3\pi}$ $\bar{I}_x = 0.05488ab^3, I_x = \frac{\pi ab^3}{16}$ $\bar{I}_y = 0.05488a^3b, I_y = \frac{\pi a^3b}{16}$ $\bar{I}_{xy} = -0.01647a^2b^2, I_{xy} = \frac{a^2b^2}{8}$	

FORMULARIO DE ÁREAS Y PERÍMETROS

CUADRADO	lado (L)	ÁREA $A = L \times L$	PERÍMETRO $P = L + L + L + L$
RECTÁNGULO	altura (h) base (b)	ÁREA $A = b \times h$	PERÍMETRO $P = b + b + h + h$
TRÍANGULO	altura (h) base (b)	ÁREA $A = \frac{b \times h}{2}$	PERÍMETRO $P = L + L + L$
ROMBO	lado (L) Diagonal menor (d) Diagonal mayor (D)	ÁREA $A = D \times d$	PERÍMETRO $P = L + L + L + L$
ROMBOIDE	altura (h) base (b)	ÁREA $A = b \times h$	PERÍMETRO $P = b + b + h + h$
TRAPECIO	base menor (b) base mayor (B) altura (h)	ÁREA $A = \frac{h(B + b)}{2}$	PERÍMETRO $P = B + b + L + L$
CÍRCULO	radio (r) Diámetro (d)	ÁREA $A = \pi \times r^2$	CIRCUNFERENCIA $C = \pi \times d$
POLÍGONO +5	lado (L) apótema (a)	ÁREA $A = \frac{p \times a}{2}$	PERÍMETRO $P = L \times \# \text{lados}$