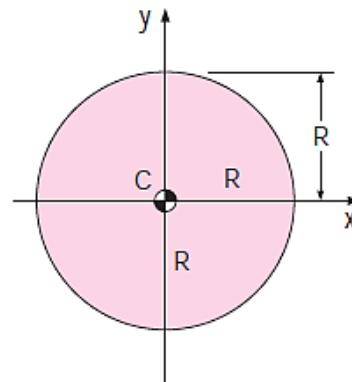


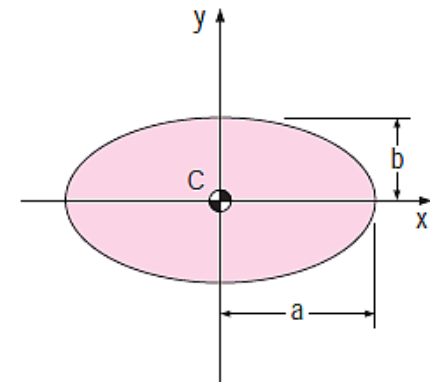
$$A = ab, I_{xx, C} = ab^3/12$$

(a) Rectangle



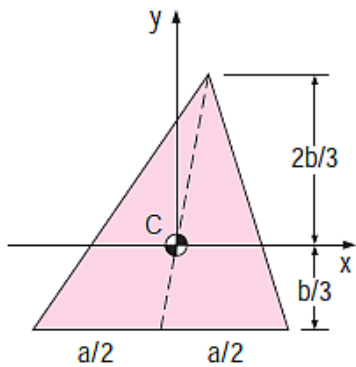
$$A = \pi R^2, I_{xx, C} = \pi R^4/4$$

(b) Circle



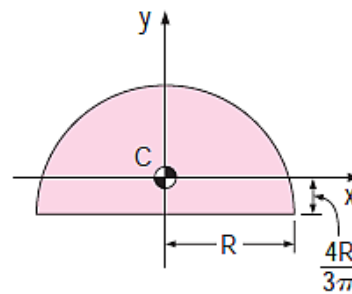
$$A = \pi ab, I_{xx, C} = \pi ab^3/4$$

(c) Ellipse



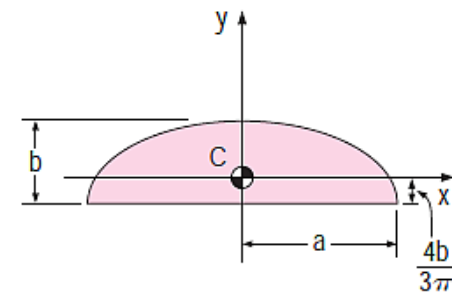
$$A = ab/2, I_{xx, C} = ab^3/36$$

(d) Triangle



$$A = \pi R^2/2, I_{xx, C} = 0.109757R^4$$

(e) Semicircle



$$A = \pi ab/2, I_{xx, C} = 0.109757ab^3$$

(f) Semiellipse

The centroid and the centroidal moments of inertia for some common geometries.