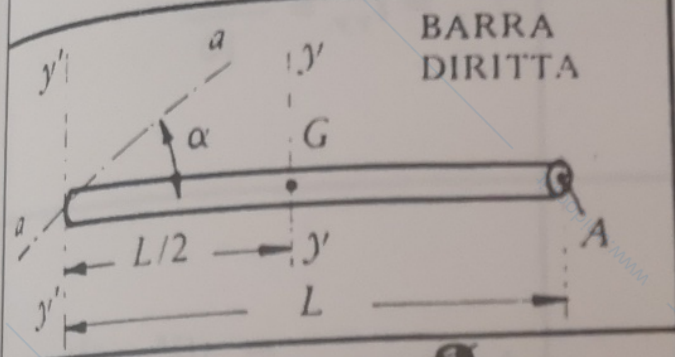
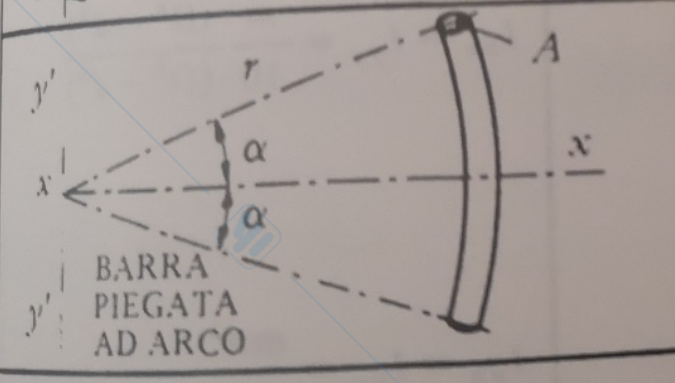
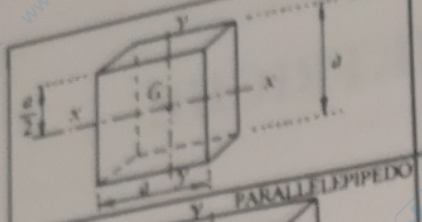
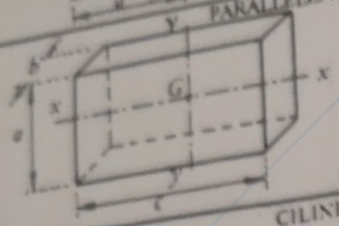
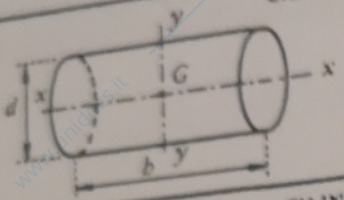
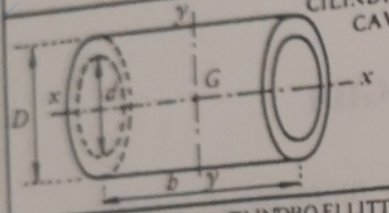
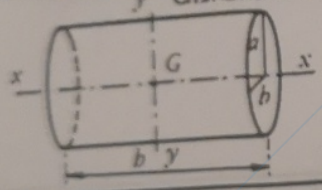
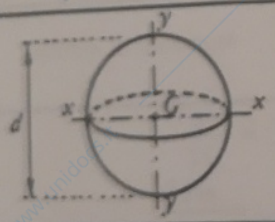
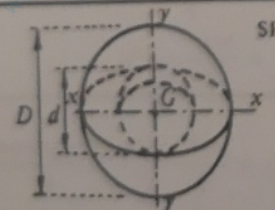
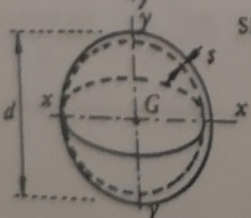
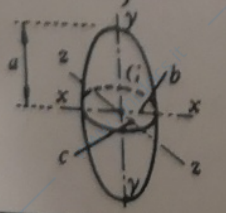
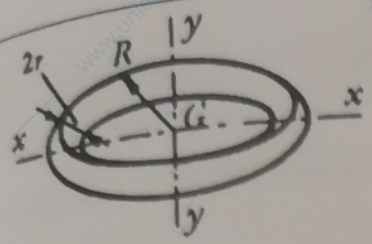
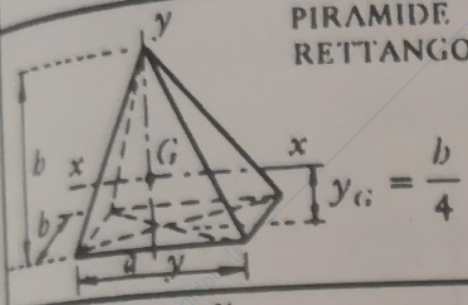
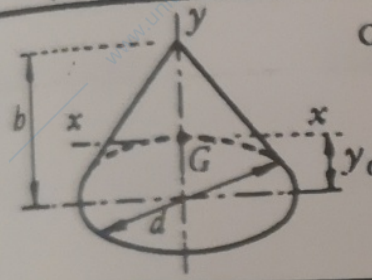
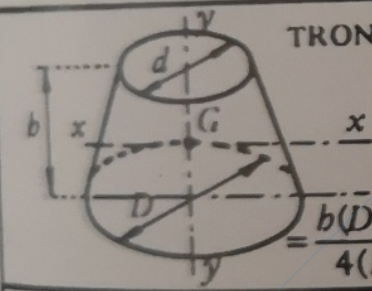
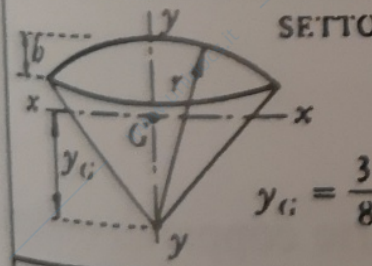
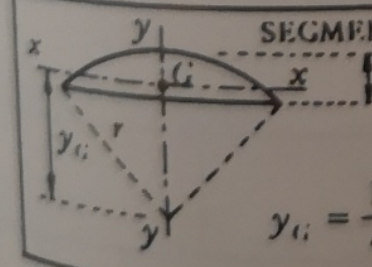
G = posizione del ... , m = massa, I = momento di inerzia)

Solido	Volume	Momento di inerzia
	$V = A \cdot L$	$I_{yy} = \frac{mL^2}{12}$ $I_{y'y'} = \frac{mL^2}{3}$ $I_{aa} = \frac{mL^2}{3}\sin^2\alpha$
	$V = 2\alpha r A$	$I_{y'y'} = \frac{mr^2}{2}\left(1 + \frac{\sin\alpha\cos\alpha}{\alpha}\right)$ $I_{xx} = \frac{mr^2}{2}\left(1 - \frac{\sin\alpha\cos\alpha}{\alpha}\right)$

B.2

CUBO 	$V = a^3$	$I_{xx} = I_{yy} = \frac{ma^2}{6}$
PARALLELEPIPEDO 	$V = abc$	$I_{xx} = \frac{m}{12}(a^2 + b^2)$ $I_{yy} = \frac{m}{12}(b^2 + c^2)$
CILINDRO 	$V = \frac{\pi d^2 b}{4}$	$I_{xx} = \frac{m d^2}{8}$ $I_{yy} = \frac{m}{4}\left(\frac{d^2}{4} + \frac{b^2}{3}\right)$
CILINDRO CAVO 	$V = \frac{\pi b}{4}(D^2 - d^2)$	$I_{xx} = \frac{m}{8}(D^2 + d^2)$ $I_{yy} = \frac{m}{16}\left(D^2 + d^2 + \frac{4b^2}{3}\right)$
CILINDRO ELLITTICO 	$V = \pi a b h$	$I_{xx} = \frac{m}{4}(a^2 + b^2)$ $I_{yy} = \frac{m}{12}(3b^2 + b^2)$
SFERA 	$V = \frac{\pi d^3}{6}$	$I_{xx} = I_{yy} = \frac{m d^2}{10}$
SFERA CAVA 	$V = \frac{\pi}{6}(D^3 - d^3)$	$I_{xx} = I_{yy} = \frac{m}{10}\frac{(D^5 - d^5)}{(D^3 - d^3)}$
SFERA CAVA SOTTILE 	$V = \pi d^2 s$	$I_{xx} = I_{yy} = \frac{m d^2}{6}$
ELLISSOIDE 	$V = \frac{4}{3}\pi a b c$	$I_{xx} = \frac{m}{5}(a^2 + c^2)$ $I_{yy} = \frac{m}{5}(b^2 + c^2)$ $I_{zz} = \frac{m}{5}(a^2 + b^2)$

TORO 	$V = 2\pi^2 R r^2$	$I_{xx} = m\left(\frac{R^2}{2} + \frac{5}{8}r^2\right)$ $I_{yy} = m\left(R^2 + \frac{3}{4}r^2\right)$
PIRAMIDE RETTANGOLARE  $y_G = \frac{b}{4}$	$V = ab\frac{b}{3}$	$I_{xx} = \frac{m}{20}\left(b^2 + \frac{3b^2}{4}\right)$ $I_{yy} = \frac{m}{20}(a^2 + b^2)$
CONO  $y_G = \frac{b}{4}$	$V = \frac{\pi d^2 b}{12}$	$I_{xx} = \frac{3}{40}m(d^2 + b^2)$ $I_{yy} = \frac{3}{40}md^2$
TRONCO DI CONO  $y_G = \frac{b(D^2+2Dd+3d^2)}{4(D^2+Dd+d^2)}$	$V = \frac{\pi b}{12}(d^2 + D^2 + \sqrt{d^2 D^2})$	$I_{yy} = \frac{3}{40}m\frac{(D^5 - d^5)}{(D^3 - d^3)}$
SETTORE SFERICO  $y_G = \frac{3}{8}(2r - b)$	$V = \frac{2}{3}\pi r^2 b$	$I_{yy} = \frac{m}{5}(3rb - b^2)$
SEGMENTO SFERICO  $y_G = \frac{3}{4}\frac{(2r - b)^2}{(3r - b)}$	$V = \pi b^2\left(r - \frac{b}{3}\right)$	$I_{yy} = m\left(r^2 - \frac{3rb}{4} + \frac{3b^2}{20}\right) \cdot \frac{2b}{3r - b}$