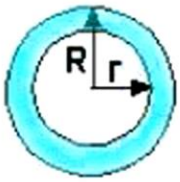
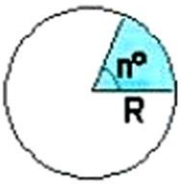
Áreas y Volúmenes



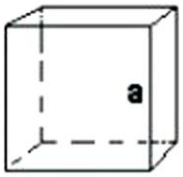
corona circular

$A = \pi \cdot (R^2 - r^2)$

sector circular



$A = \pi \cdot R^2 \cdot n / 360$

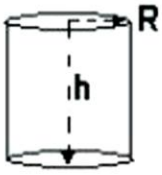


cubo

$A = 6 \cdot a^2$

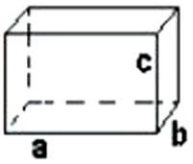
$V = a^3$

cilindro



$A = 2 \cdot \pi \cdot R \cdot (h + R)$

$V = \pi \cdot R^2 \cdot h$



ortoedro

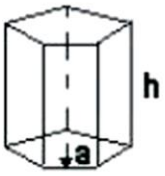
$A = 2 \cdot (a \cdot b + a \cdot c + b \cdot c)$

$V = a \cdot b \cdot c$

cono

$A = \pi \cdot R \cdot (R + g)$ (2)

$V = \pi \cdot R^2 \cdot h / 3$

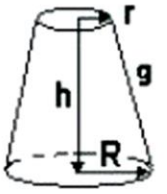


prisma recto

$A = P \cdot (h + a)$

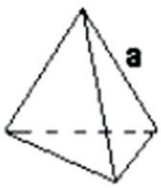
$V = A_B \cdot h$ (3)

tronco de cono



$A = \pi \cdot [g \cdot (r+R) + r^2 + R^2]$

$V = \pi \cdot h \cdot (R^2 + r^2 + R \cdot r) / 3$

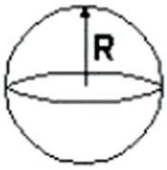


tetraedro regular

$A = a^2 \cdot \sqrt{3}$

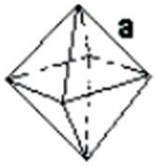
$V = a^2 \cdot \sqrt{2} / 12$

esfera



$A = 4 \cdot \pi \cdot R^2$

$V = 4 \cdot \pi \cdot R^3 / 3$

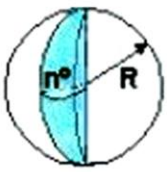


octaedro regular

$A = 2 \cdot a^2 \cdot \sqrt{3}$

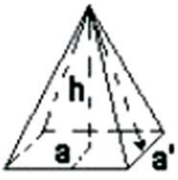
$V = a^3 \cdot \sqrt{2} / 3$

huso. cuña esférica



$A = 4 \cdot \pi \cdot R^2 \cdot n / 360$

$V = V_{Esf} \cdot n / 360$

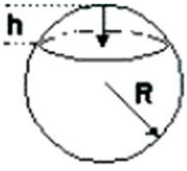


pirámide recta

$A = P \cdot (a + a') / 2$

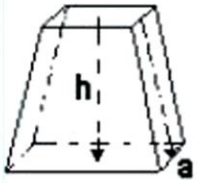
$V = A_B \cdot h / 3$

casquete esférico



$A = 2 \cdot \pi \cdot R \cdot h$

$V = \pi \cdot h^2 \cdot (3 \cdot R - h) / 3$

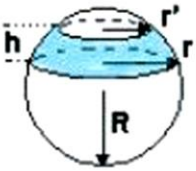


tronco de pirámide

$A = \frac{1}{2}(P+P') \cdot a + A_B + A_{B'}$

$V = (A_B + A_{B'} + \sqrt{A_B} \cdot \sqrt{A_{B'}}) \cdot h/3$

zona esférica



$A = 2 \cdot \pi \cdot R \cdot h$

$V = \pi \cdot h \cdot (h^2 + 3 \cdot r^2 + 3 \cdot r'^2) / 6$