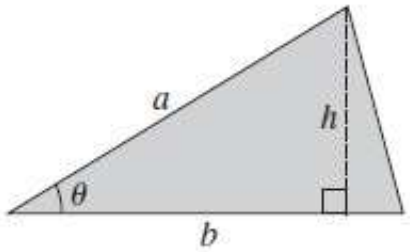
Formulas de Geometria par.1

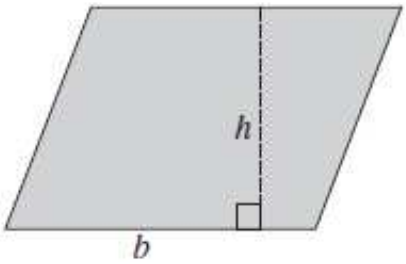
Triángulo



$$\text{Área} = \frac{1}{2}bh$$

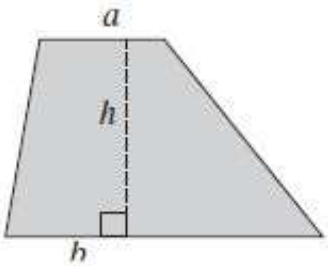
$$\text{Área} = \frac{1}{2}ab \operatorname{sen}\theta$$

Paralelogramo



$$\text{Área} = bh$$

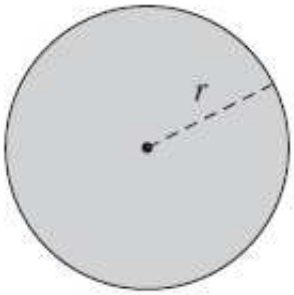
Trapecio



$$\text{Área} = \frac{a+b}{2}h$$

Formulas de Geometria par.2

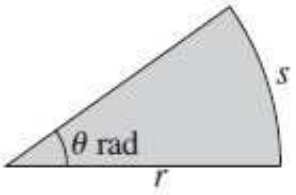
Círculo



$$\text{Circunferencia} = 2\pi r$$

$$\text{Área} = 2\pi r$$

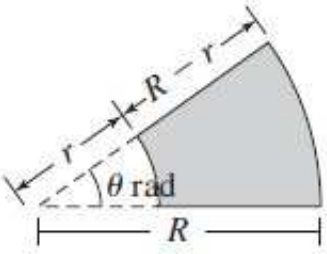
Sector circular



$$\text{Longitud de arco} = r\theta$$

$$\text{Área} = \frac{1}{2}r^2\theta$$

Rectángulo polar



$$\text{Área} = \frac{R + r}{2}(R - r)\theta$$

Formulas de Geometria par.3

Cilindro circular recto

$$\text{Área lateral} = 2\pi rh$$

$$\text{Volumen} = \pi r^2 h$$

Esfera

$$\text{Área} = 4\pi r^2$$

$$\text{Volumen} = \frac{4}{3}\pi r^3$$

Cono circular recto

$$\text{Área lateral} = \pi rs$$

$$\text{Volumen} = \frac{1}{3}\pi r^2 h$$

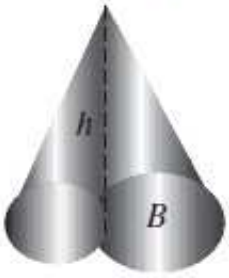
Formulas de Geometria par.4

Tronco de un cono circular recto

$$\text{Área lateral} = \pi s(r + R)$$

$$\text{Volumen} = \frac{1}{3}\pi(r^2 + rR + R^2)h$$

Cono general



$$\text{Volumen} = \frac{1}{3}(\text{área } B)h$$

Cuña

$$\text{Área } A = (\text{área } B)\sec\theta$$