

Tarjeta de Referencia de Matemáticas

Volumen

Cilindro: $V = \pi r^2 h$

Pirámide: $V = \frac{1}{3} B h$

Cono: $V = \frac{1}{3} \pi r^2 h$

Esfera: $V = \frac{4}{3} \pi r^3$

V = volumen

r = radio

h = altura

B = área de la base

Geometría de coordenadas

Pendiente: $m = \frac{y_2 - y_1}{x_2 - x_1}, x_2 \neq x_1$

Factorización especial

$$a^2 - b^2 = (a - b)(a + b)$$

$$a^2 + 2ab + b^2 = (a + b)^2$$

$$a^2 - 2ab + b^2 = (a - b)^2$$

Fórmula cuadrática

Para $ax^2 + bx + c = 0$,

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

Interés

Fórmula de interés simple:

$$I = prt$$

p = principal

r = tasa de interés anual

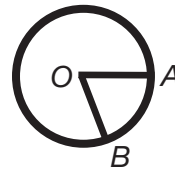
t = tiempo en años

I = interés

Teorema de Pitágoras

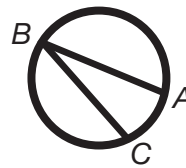
$$a^2 + b^2 = c^2$$

Ángulo central



$$m\angle AOB = m\widehat{AB}$$

Ángulo inscrito



$$m\angle ABC = \frac{1}{2} m\widehat{AC}$$

DATA RECOGNITION

DRC
CORPORATION

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