

A continuación se encuentran las fórmulas que podrías necesitar en este examen. Puedes volver a consultar esta página en cualquier momento durante el examen de matemáticas. Puedes usar π en la calculadora o el número 3.14 como una aproximación de π .

2026
8.º Grado

Propiedades Exponenciales

$a^m \cdot a^n = a^{m+n}$

$(a^m)^n = a^{m \cdot n}$

$\frac{a^m}{a^n} = a^{m-n}$

$a^{-n} = \frac{1}{a^n}$

Ecuaciones Algebraicas

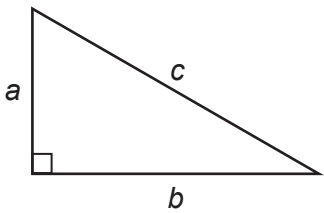
Pendiente: $m = \frac{y_2 - y_1}{x_2 - x_1}$

Forma pendiente-intersección: $y = mx + b$

Forma punto-pendiente: $y - y_1 = m(x - x_1)$

Forma estándar: $Ax + By = C$

Teorema de Pitágoras

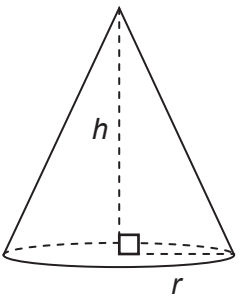


$a^2 + b^2 = c^2$

Fórmula de la distancia

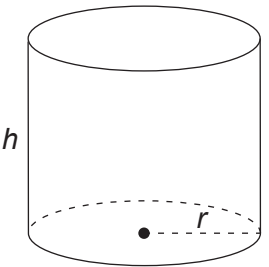
$d = \sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$

Cono



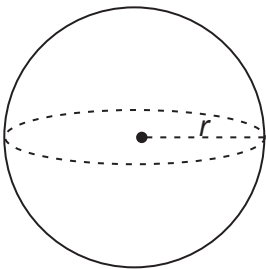
$V = \frac{1}{3} \pi r^2 h$

Cilindro



$V = \pi r^2 h$

Esfera



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

Exponential Properties

$a^m \cdot a^n = a^{m+n}$

$(a^m)^n = a^{m \cdot n}$

$\frac{a^m}{a^n} = a^{m-n}$

$a^{-n} = \frac{1}{a^n}$

Algebraic Equations

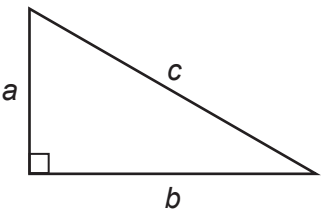
Slope: $m = \frac{y_2 - y_1}{x_2 - x_1}$

Slope-Intercept Form: $y = mx + b$

Point-Slope Form: $y - y_1 = m(x - x_1)$

Standard Form: $Ax + By = C$

Pythagorean Theorem

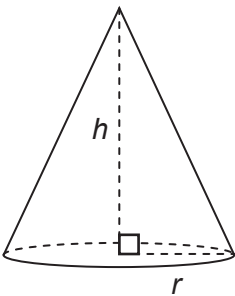


$a^2 + b^2 = c^2$

Distance Formula

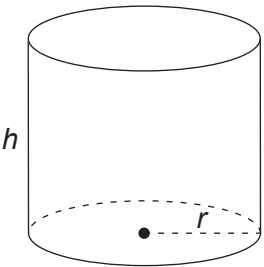
$d = \sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$

Cone



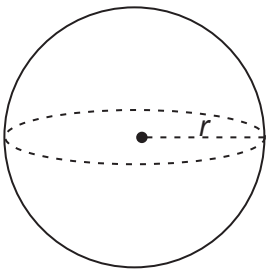
$V = \frac{1}{3} \pi r^2 h$

Cylinder



$V = \pi r^2 h$

Sphere



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

Formulas that you may need on this test are found below.
You may refer back to this page at any time during the mathematics test.
You may use calculator π or the number 3.14 as an approximation of π .

2026
Grade 8