Georgia Milestones
Assessment System

Grade 8 Mathematics Formula Sheet

Below are the formulas you may find useful as you take the test. However, you may find that you do not need to use all of the formulas. You may refer to this formula sheet as often as needed.

Slope Formula

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

Linear Equation

$$y = mx + b$$

Pythagorean Theorem

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

Perimeter

The perimeter of a polygon is equal to the sum of the lengths of its sides.

Volume

Cylinder	$V = \pi r^2 h$
Cone	$V = \frac{1}{3}\pi r^2 h$
Sphere	$V = \frac{4}{3}\pi r^3$

$\pi \approx 3.14$