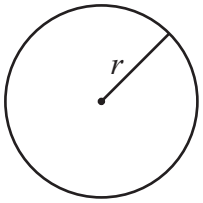
New England Common Assessment Program
Mathematics Reference Sheet – Grade 11

Use the information below as needed to answer questions on the mathematics test.

Circle

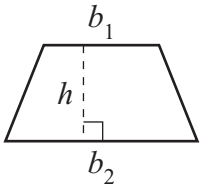


Area = πr^2

Circumference = $2\pi r$

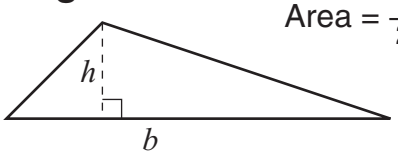
$\pi \approx 3.14$

Trapezoid



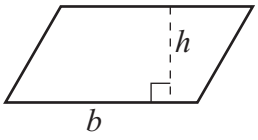
Area = $\frac{1}{2} h(b_1+b_2)$

Triangle



Area = $\frac{1}{2} bh$

Parallelogram



Area = bh

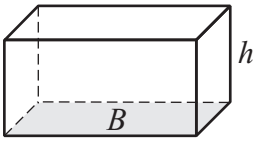
Sum of Angle Measures in a Polygon

For an n-sided polygon, the sum of the interior angle measures is $180(n-2)$.

Distance Formula

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

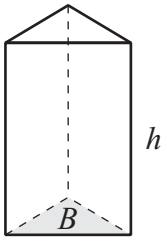
Rectangular Prism



Volume = area of the base • height

$= Bh$

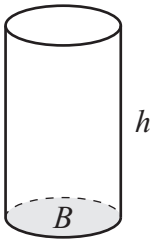
Triangular Prism



Volume = area of the base • height

$= Bh$

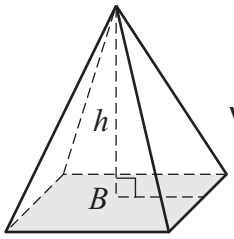
Cylinder



Volume = area of the base • height

$= Bh$

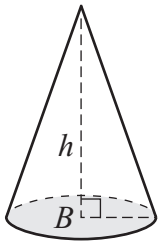
Pyramid



Volume = $\frac{1}{3}$ • area of the base • height

$= \frac{1}{3} Bh$

Cone



Volume = $\frac{1}{3}$ • area of the base • height

$= \frac{1}{3} Bh$