

Ohio Grade 8 Mathematics Achievement Test Reference Sheet

Information that may be needed to solve problems on the
Mathematics Test:

Area Formulas

Parallelogram $A = bh$

Rectangle $A = lw$

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

Triangle $A = \frac{1}{2} bh$

Volume Formulas

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

Cylinder $V = \pi r^2 h$

Pyramid $V = \frac{1}{3} Bh$
(B = area of base)

Rectangular prism $V = lwh$

Right prism $V = Bh$
(B = area of base)

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

Circle Formulas

$C = 2\pi r$ $\pi \approx 3.14$ or $\frac{22}{7}$

$A = \pi r^2$

Distance Formula

$d =$ _____