Trades Math Reference Sheet - Perimeter, Area, and Volume Formulas

Square

$P = 4s$

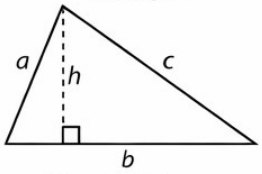
$A = s^2$

Rectangle

$P = 2L + 2W$

$A = LW$

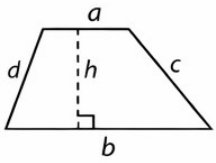
Triangle



$P = a + b + c$

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

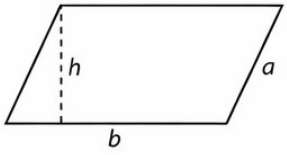
Trapezoid



$P = a + b + c + d$

$A = \frac{1}{2}h(a + b)$

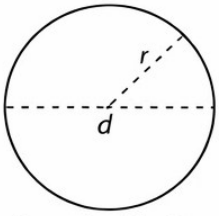
Parallelogram



$P = 2(a + b)$

$A = bh$

Circle



$P = \pi d$ or $P = 2\pi r$

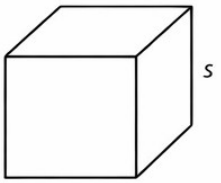
$A = \pi r^2$

Semi-circle

$P = \frac{1}{2}\pi r^2$

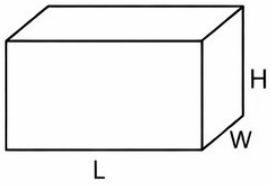
$A = \frac{1}{2}\pi r^2$

Cube



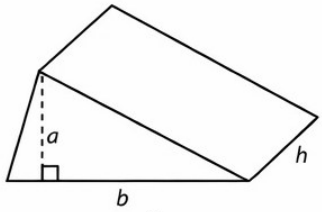
$V = s^3$

Rectangular Prism



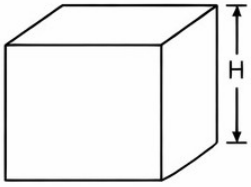
$V = LWH$

Triangular Prism



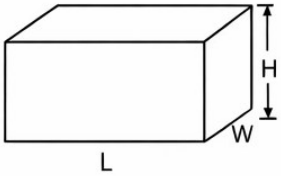
$V = \frac{1}{2}bah$

Cube



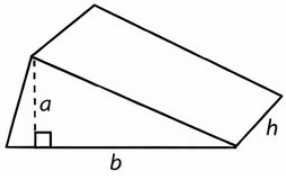
$V = s^3$

Rectangular Prism



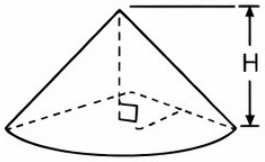
$V = LWH$

Triangular Prism



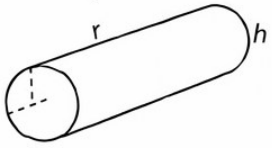
$V = \frac{1}{2}bah$

Pyramid



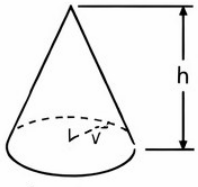
$V = \frac{1}{3}\pi r^2 h$ or $V = b^2h \div 3$

Cylinder



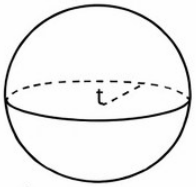
$V = \pi r^2 h$

Cone



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

Sphere



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