SYMBOLS & FORMULAS

Symbols

$a + b$	a plus b or b added to a
$+a$	positive a
$a - b$	a minus b or b less than a
^{-}a	negative a
$a \times b$, $a \bullet b$, ab, $a(b)$	a sets of b or a times b
$a \div b$, $\frac{a}{b}$	a divided into sets of b, a divided into b sets, or a divided by b
$a = b$	a is equal to b
$a \neq b$	a is not equal to b
$a \approx b$	a is approximately equal to b
$a > b$	a is greater than b
$a < b$	a is less than b
$\lvert a \rvert$	absolute value of a
a^2	a squared or a to the second power
a^3	a cubed or a to the third power
a^b	a multiplied by itself b times
%	percent; per 100
$\sqrt{a}$	the square root of a
$\overleftrightarrow{AB}$	line AB
$\overrightarrow{AB}$	ray AB
$\overline{AB}$	line segment AB
$\angle A$	angle A
$\cong$	is congruent to
$\sim$	is similar to
π	pi, expressed as 3.14 and $\frac{22}{7}$
$\odot R$	circle R

Formulas

perimeter

square
$P = 4 \bullet s$
or
$P = 4s$

rectangle
$P = (2 \bullet l) + (2 \bullet w)$
or
$P = 2(l + w)$

circumference

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

area

square
$A = s^2$

rectangle
$A = l \bullet w$

parallelogram
$A = b \bullet h$

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

circle
$A = \pi r^2$

volume

rectangular prism
$V = Bh$
$(B = l \bullet w)$

cube
$V = Bh$ or $V = s^3$
$(B = l \bullet w)$

triangular prism
$V = Bh$
or
$V = (\frac{1}{2}bh_1)h_2$
$(B = \frac{1}{2}bh)$

cylinder
$V = Bh$
$(B = \pi r^2)$

distance

distance = (speed) • (time)
$d = s \bullet t$

speed

speed = (distance ÷ time)
$s = \frac{d}{t}$

time

time = (distance ÷ speed)
$t = \frac{d}{s}$