NEMETH REFERENCE SHEET

Symbol	Nemeth	Description	ASCII
+	Plus	Plus or Positive	+
−	Minus	Minus or Negative	-
·	Dot	Times dot	*
×	Crossed, dot	Times cross	@*
±	Decimal point, Simple fraction indicator	positive or negative (plus or minus)	+-
=	Equals	Is equal to	.k
≠	Not, Equals	Is not equal to	/.k
<	Less than	is less than	"k
>	Greater than	Is greater than	.l
≤	Less than, horizontal bar	is less than or equal to	"k:
≥	Greater than, horizontal bar	is greater than or equal to	.l:
≈	Simple tilde, simple tilde	is approximately equal to	@:@:
%	dot 4, zero	percent	@0
{ }	dots 4-6, left parenthesis, space, dots 4-6, right parenthesis	set braces	.(.)
a : b	a, space, ratio, space, b	the ratio of a to b	a "l b
≅	simple tilde, equals	is congruent to	@:.k
≇	negation, simple tilde, equals	is not congruent to	/@:.k
⊥	shape indicator, p	is perpendicular to	$p
∥	shape indicator, l	is parallel to	$l
~	simple tilde	is similar to	@:
°	superscript, hollow, dot	degree(s)	^.*
↔ AB	multipurpose indicator, capital, a, capital, b, directly over, shape indicator, two-way horizontal arrow, termination indicator	line containing points A and B	",a,b<$[33o]
$\overline{AB}$	multipurpose indicator, capital, a, capital, b, directly over, horizontal bar, termination indicator	line segment with endpoints A and B	",a,b<:]
$\overrightarrow{AB}$	multipurpose indicator, capital, a, capital, b, directly over, shape indicator, contracted right-pointing arrow, termination indicator	ray with endpoint A and containing B	",a,b<$o]
$\overrightarrow{AB}$	multipurpose indicator, capital, a, capital, b, directly over, shape indicator, arrow with upper barb pointing right, termination indicator	vector with origin A and endpoint B	",a,b<$33@o]
A'	capital, a, prime	A prime	,a'
$\odot A$	shape indicator, c, interior shape modification indicator, interior dot, termination indicator, space, capital, a	circle with center A	$c_$*] ,a
$\overset{\frown}{ABC}$	multipurpose indicator, capital, a, capital, b, capital, c, directly over, shape indicator, a, termination indicator	arc ABC	",a,b,c<$a]
∠ABC	shape indicator, angle, space, capital, a, capital, b, capital, c	Angle with sides $\overrightarrow{BA}$ and $\overrightarrow{BC}$	$[,a,b,c
∠B	shape indicator, angle, space, capital, b	angle with vertex B	$[,b
$m\angle ABC$	m, shape indicator, angle, space, capital, a, capital, b, capital, c	measure of angle ABC	m$[,a,b,c
↔	shape indicator, two-way horizontal arrow	corresponds to	$[33o
$p \rightarrow q$	p, space, shape indicator, contracted right-pointing arrow, space, q	p implies q	p $o q
$\log_a b$	l, o, g, subcript, a, space, b	the logarithm, base a, of b	log;a b
a^n	a, superscript, n	the nth power of a	a^n
n!	n, factorial	n factorial	n&
a_n	a, subscript, n	the nth term of a sequence	a;n

Symbol	Nemeth	Description	ASCII
$\sum_{k=1}^{n} a_k$	multipurpose indicator, greek letter, capital s, directly under, k, space, equals, space, numeric indicator, 1, directly over, n, termination indicator, a, subscript, k	the summation a1 + a2 + a_n	".,s%k .k #1<n]a;k
s_n	capital, s, subscript, n	the nth partial sum of a series	,s;n
$\|x\|$	vertical bar, x, vertical bar	absolute value of x	|x|
$\sqrt{x}$	radical symbol, x, termination indicator	principal square root of x	>x]
$\bar{x}$	x, horizontal bar	the mean of data values of x	x:
x1, x2, etc.	x, 1, comma, space, x, 2, comma, space, e, t, c, period	specific values of the variable x	x1, x2, etc4
y1, y2, etc.	y, 1, comma, space, y, 2, comma, space, e, t, c, period	specific values of the variable y	y1, y2, etc4
f(x)	f, left parenthesis, x, right parenthesis	f of x, the value of the function f at x	f(x)
$f \circ g(x)$	f, hollow, dot, g, left parenthesis, x, right parenthesis	f(g(x)), the composition of functions f and g	f.*g(x)
$f^{-1}x$	f, superscript, -, 1, multipurpose indicator, left parenthesis, x, right parenthesis	the inverse function of f(x)	f^-1"(x)
π	greek letter indicator, p	pi (approximately 3.1416)	.p
e	english letter indicator, e	the base of natural logarithms (approximately 2.71828)	;e
(a, b)	left parenthesis, a, comma, space, b, right parenthesis	ordered pair with x-coordinate a and y-coordinate b	(a, b)
⟨a,b⟩	left angle bracket, a, comma, space, b, right angle bracket	translation of a units horizontally and b units vertically	..(a, b..)
$\bar{A}$	capital, a, horizontal bar	the complement of event ,a: A	,a:
${}_nC_r$	subscript, n, baseline, capital, c, subscript, r	the number of combinations of r items out of n	;n",c;r
${}_nP_r$	subscript, n, baseline, capital, p, subscript, r	the number of permutations of r items out of n	;n",p;r
P(A)	capital, p, left parenthesis, capital, a, right parenthesis	the probability of event A	,p(,a)
P (B|A)	capital, p, left parenthesis, capital, b, space, vertical bar, space, capital, a, right parenthesis	the probability of event B, given that event A occurs	,p(,b \ ,a)
sin A	s, i, n, space, capital, a	sine of ∠A	sin ,a
cos A	c, o, s, space, capital, a	cosine of ∠A	cos ,a
tan A	t, a, n, space, capital, a	tangent of ∠A	tan ,a
csc A	c, s, c, space, capital, a	cosecant of ∠A	csc ,a
sec A	s, e, c, space, capital, a	secant of ∠A	sec ,a
cot A	c, o, t, space, capital, a	cotangent of ∠A	cot ,a
$\frac{1}{3}$	opening simple fraction indicator, 1, horizontal fraction line, 3, closing simple fraction indicator	fraction vertically	?1/3#
1/3	numeric indicator, 1, diagonal fraction line, 3	fraction horizontally	#1_/3
$4\ \frac{3}{8}$	numeric indicator, 4, opening mixed number indicator, 3, horizontal fraction line, 8, closing mixed number indicator	mixed number vertically	#4_?3/8_#
4 3/8	numeric indicator, 4, opening mixed number indicator, 3, diagonal fraction line, 8, closing mixed number indicator	mixed number horizontally	#4_?3_/8_#
x^2	x, superscript, 2	exponents, x to the second power	x^2
15¢	numeric indicator, 1, 5, cent sign	15 cents	#15@c

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