

Algebra I & II Nemeth Code Symbols Checklist & Reference

Name: _____ Date: _____ TVI: _____

Symbol	Nemeth	Description	R	W	U
+	⠠⠷	plus or positive			
-	⠠⠸	minus or negative			
•	⠠⠨	times dot			
x	⠠⠭	times cross			
÷	⠠⠸⠨	divided by			
±	⠠⠸⠠⠷	positive or negative (plus or minus)			
=	⠠⠸⠠⠸	is equal to			
≠	⠠⠸⠠⠸⠠⠸	is not equal to			
<	⠠⠸⠠⠸⠠⠸	is less than			
>	⠠⠸⠠⠸⠠⠸	is greater than			
≤	⠠⠸⠠⠸⠠⠸⠠⠸	is less than or equal to			
≥	⠠⠸⠠⠸⠠⠸⠠⠸	is greater than or equal to			
≈	⠠⠸⠠⠸⠠⠸⠠⠸	is approx.. equal to			
%	⠠⠸⠠⠸	percent			
{ }	⠠⠸⠠⠸⠠⠸	set braces			
$a:b$	⠠⠸⠠⠸⠠⠸⠠⠸	the ratio of a to b , or $\frac{a}{b}$			
≅	⠠⠸⠠⠸⠠⠸⠠⠸	is congruent to			
⊥	⠠⠸⠠⠸	is perpendicular to			
∥	⠠⠸⠠⠸	is parallel to			
~	⠠⠸⠠⠸	is similar to			
°	⠠⠸⠠⠸	degree(s)			
\overline{AB}	⠠⠸⠠⠸⠠⠸⠠⠸⠠⠸	line containing points A and B			
\overline{AB}	⠠⠸⠠⠸⠠⠸⠠⠸	line segment with endpoints A and B			
\overline{AB}	⠠⠸⠠⠸⠠⠸⠠⠸	ray with endpoint A and containing B			
\overline{AB}	⠠⠸⠠⠸⠠⠸⠠⠸⠠⠸	Vector with origin A and endpoint B			
⊙ A	⠠⠸⠠⠸⠠⠸⠠⠸	Circle with center A			
\overline{ACB}	⠠⠸⠠⠸⠠⠸⠠⠸⠠⠸	Arc with endpoints A and B and containing C			
AB	⠠⠸⠠⠸	length of \overline{AB} , distance between A and B			
$\triangle ABC$	⠠⠸⠠⠸⠠⠸⠠⠸⠠⠸	triangle with vertices, A , B , and C			
$\angle ABC$	⠠⠸⠠⠸⠠⠸⠠⠸⠠⠸	angle with sides \overline{BA} and \overline{BC}			
$\angle B$	⠠⠸⠠⠸	angle with vertex B			
$m\angle ABC$	⠠⠸⠠⠸⠠⠸⠠⠸⠠⠸	measure of $\angle ABC$			
\leftrightarrow	⠠⠸⠠⠸	corresponds to			
$p \rightarrow q$	⠠⠸⠠⠸⠠⠸	p implies q			
$\log_a b$	⠠⠸⠠⠸⠠⠸⠠⠸	the logarithm, base a , of b			
a^n	⠠⠸⠠⠸	the n th power of a			
$n!$	⠠⠸⠠⠸	n factorial			
a_n	⠠⠸⠠⠸	the n th term of a sequence			
$\sum_{k=1}^n ak$	⠠⠸⠠⠸⠠⠸⠠⠸⠠⠸	the summation $a_1+a_2+\dots+a_n$			
S_n	⠠⠸⠠⠸	the n th partial sum of a series			
$ x $	⠠⠸⠠⠸	absolute value of x			
\sqrt{x}	⠠⠸⠠⠸	principal square root of x			



Symbol	Nemeth	Description	R	W	U
\bar{x}	⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠	the mean of data values of x			
$x_1, x_2, \text{ etc.}$	⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠	specific values of the variable x			
$y_1, y_2, \text{ etc.}$	⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠	specific values of the variable y			
$f(x)$	⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠	f of x , the value of the function f at x			
$f \circ g(x)$	⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠	$f(g(x))$, the composition of functions f and g			
$f^{-1}(x)$	⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠	the inverse function of $f(x)$			
π	⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠	pi (approximately 3.1416)			
e	⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠	the base of natural logarithms (approximately 2.71828)			
(a, b)	⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠	ordered pair with x -coordinate a and y -coordinate b			
\bar{A}	⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠	the complement of event A			
$n^c r$	⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠	the number of combinations of r items out of n			
$n^p r$	⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠	the number of permutations of r items out of n			
$n(A)$	⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠	the number of ways an event A can occur			
$P(A)$	⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠	the probability of event A			
$P(B A)$	⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠				
$\sin A$	⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠	sine of $\angle A$			
$\cos A$	⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠	cosine of $\angle A$			
$\tan A$	⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠	tangent of $\angle A$			
$\csc A$	⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠	cosecant of $\angle A$			
$\sec A$	⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠	secant of $\angle A$			
$\cot A$	⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠	cotangent of $\angle A$			

Geometry Symbols Nemeth Code Checklist & Reference

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Symbol	Nemeth	Description	R	W	U
$\not\cong$	⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠	Is not congruent to			
$\not\perp$	⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠	Is not perpendicular to			
$\not\parallel$	⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠	Is not parallel to			
A'	⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠	A prime			
\odot	⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠	Circle with interior dot			
\widehat{AB}	⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠	Arc with endpoints A and B			
$\langle a, b \rangle$	⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠⠠	Translation of a units horizontally and b units vertically			

