**NEMETH QUICK REFERENCE CHART**

### NEMETH INDICATORS
- Open Nemeth: `open Nemeth`  
- Close Nemeth: `close Nemeth`  
- Single word switch: `'`

### NUMBERS
- Numeric indicator: `#`
- Mathematical comma: `,`
- Decimal point: `.`

### OPERATIONS (unspaced)
- Addition: `+`
- Subtraction: `−`
- Multiplication: `×`
- Division: `÷`
- Plus or minus: `±`  
- Minus or plus: `∓`
- Times: `•`
- Divide: `/`

### COMPARISONS (spaced)
- Equal to: `=`
- Not equal to: `≠`
- Less than: `<`
- Greater than: `>`
- Less than or equal to: `≤`
- Greater than or equal to: `≥`
- Approximately: `≈`
- Similar to: `∼`
- Enlarge grouping prefix: `:`
- "Not" comparison prefix: `~`

### GROUPING
- Parentheses: `( )`
- Square brackets: `[ ]`
- Curly brackets: `{ }`

### FRACTIONS
- Simple:
  - Opening: `_OPENING`
  - Horizontal line: `
  - Diagonal line: `
  - Closing: `
- Mixed:
  - Opening: `
  - Closing: `
- Complex:
  - Opening: `
  - Horizontal line: `
  - Closing: `
- Spatial: `:.....:`

### SET THEORY
- Union: `∪`
- Intersection: `∩`

### MODIFIED EXPRESSIONS
- Multipurpose indicator: `
- Directly under: `
- Directly over: `
- Termination: `

### LEVEL INDICATORS
- Superscript: `^`
- Subscript: `_`
- Baseline: `"`

### OMISSION
- General omission: `●`
- Long dash: `-----`
- Ellipses: `...`

### SHAPES
- Shape: `
- Angle: `∠`
- Right angle: `∟`
- Perpendicular: `∥`

### GREEK LETTERS
- Alpha: `α`
- Beta: `β`
- Gamma: `γ`
- Zeta: `ζ`
- Theta: `θ`
- Lambda: `λ`
- Mu: `μ`
- Pi: `π`
- Omega: `ω`

### RADICALS
- Index: `
- Square root: `
- Termination: `

### MISCELLANEOUS
- Dollar: `$`
- Percent: `%`
- Ellipsis: `'''`
- Tally marks: `|`
EXAMPLES

4 + 2 = ____  6 ÷ 3 = ____.  
+3 > -3  $5.79  

57 + 4  68  4 5  
61 + 9  77  -8  

62 r3  6)375  H2O  

3 4  3/4  3/4  

1 1/2  1/3  1/4  

√12  3√8  √x√y + 2  

90°  ΔABC  7  

AB  T  RS  

9.14  1.3  87.46  

sin x  sin² x  logₙ .125  

∑ k²  δ  f(x)