

Relation Symbols

| Symbol | Script | Symbol | Script | Symbol | Script | Symbol | Script | Symbol | Script |
|---------------|--------------------------|---------------|--------------------------|-----------|----------------------|-------------------|------------------------------|------------------|-----------------------------|
| $<$ | <code><</code> | $>$ | <code>></code> | $=$ | <code>=</code> | \parallel | <code>\parallel</code> | \nparallel | <code>\nparallel</code> |
| \leq | <code>\leq</code> | \geq | <code>\geq</code> | \doteq | <code>\doteq</code> | \asymp | <code>\asymp</code> | \bowtie | <code>\bowtie</code> |
| \ll | <code>\ll</code> | \gg | <code>\gg</code> | \equiv | <code>\equiv</code> | \vdash | <code>\vdash</code> | \dashv | <code>\dashv</code> |
| \subset | <code>\subset</code> | \supset | <code>\supset</code> | \approx | <code>\approx</code> | \in | <code>\in</code> | \ni | <code>\ni</code> |
| \subseteq | <code>\subseteq</code> | \supseteq | <code>\supseteq</code> | \cong | <code>\cong</code> | \smile | <code>\smile</code> | \frown | <code>\frown</code> |
| \subsetneq | <code>\subsetneq</code> | \nsupseteq | <code>\nsupseteq</code> | \simeq | <code>\simeq</code> | \models | <code>\models</code> | \notin | <code>\notin</code> |
| \sqsubset | <code>\sqsubset</code> | \sqsupset | <code>\sqsupset</code> | \sim | <code>\sim</code> | \perp | <code>\perp</code> | \mid | <code>\mid</code> |
| \sqsubseteq | <code>\sqsubseteq</code> | \sqsupseteq | <code>\sqsupseteq</code> | \propto | <code>\propto</code> | \prec | <code>\prec</code> | \succ | <code>\succ</code> |
| \preceq | <code>\preceq</code> | \succeq | <code>\succeq</code> | \neq | <code>\neq</code> | \sphericalangle | <code>\sphericalangle</code> | \measuredangle | <code>\measuredangle</code> |

Binary Operations

| Symbol | Script | Symbol | Script | Symbol | Script | Symbol | Script |
|------------|-----------------------|----------|---------------------|------------------|-------------------------------|-------------|------------------------|
| \pm | <code>\pm</code> | \cap | <code>\cap</code> | \diamond | <code>\diamond</code> | \oplus | <code>\oplus</code> |
| \mp | <code>\mp</code> | \cup | <code>\cup</code> | \triangleup | <code>\bigtriangleup</code> | \ominus | <code>\ominus</code> |
| \times | <code>\times</code> | \uplus | <code>\uplus</code> | \triangledown | <code>\bigtriangledown</code> | \otimes | <code>\otimes</code> |
| \div | <code>\div</code> | \sqcap | <code>\sqcap</code> | \triangleleft | <code>\triangleleft</code> | \oslash | <code>\oslash</code> |
| $*$ | <code>\ast</code> | \sqcup | <code>\sqcup</code> | \triangleright | <code>\triangleright</code> | \odot | <code>\odot</code> |
| \star | <code>\star</code> | \vee | <code>\vee</code> | \bigcirc | <code>\bigcirc</code> | \circ | <code>\circ</code> |
| \dagger | <code>\dagger</code> | \wedge | <code>\wedge</code> | \bullet | <code>\bullet</code> | \setminus | <code>\setminus</code> |
| \ddagger | <code>\ddagger</code> | \cdot | <code>\cdot</code> | \wr | <code>\wr</code> | \amalg | <code>\amalg</code> |

Set and/or Logic Notation

| Symbol | Script | Symbol | Script |
|------------|-----------------------|-------------------------------|--|
| \exists | <code>\exists</code> | \rightarrow | <code>\rightarrow</code> or <code>\to</code> |
| \nexists | <code>\nexists</code> | \leftarrow | <code>\leftarrow</code> or <code>\gets</code> |
| \forall | <code>\forall</code> | \mapsto | <code>\mapsto</code> |
| \neg | <code>\neg</code> | \implies | <code>\implies</code> |
| \subset | <code>\subset</code> | \Rightarrow | <code>\Rightarrow</code> or <code>\implies</code> |
| \supset | <code>\supset</code> | \leftrightarrow | <code>\leftrightarrow</code> |
| \in | <code>\in</code> | \iff | <code>\iff</code> |
| \notin | <code>\notin</code> | \Leftrightarrow | <code>\Leftrightarrow</code> (preferred for equivalence (iff)) |
| \ni | <code>\ni</code> | \top | <code>\top</code> |
| \wedge | <code>\land</code> | \perp | <code>\bot</code> |
| \vee | <code>\lor</code> | \emptyset and \varnothing | <code>\emptyset</code> and <code>\varnothing</code> |

Delimiters

| Symbol | Script | Symbol | Script | Symbol | Script | Symbol | Script |
|--------|---------------------------------|--------|------------|--------|---------|--------|---------------|
| | or \mid (difference in spacing) | | \ | / | / | \ | \backslashash |
| { | \{ | } | \} | < | \langle | > | \rangle |
| ↑ | \uparrow | ↑ | \Uparrow | ⌈ | \lceil | ⌋ | \rceil |
| ↓ | \downarrow | ↓ | \Downarrow | ⌊ | \lfloor | ⌋ | \rfloor |

Greek Letters

| Symbol | Script | Symbol | Script |
|-------------------------------|------------------------------|-----------------------------|------------------------------|
| A and α | A and \alpha | N and ν | N and \nu |
| B and β | B and \beta | Ξ and ξ | \Xi and \xi |
| Γ and γ | \Gamma and \gamma | O and o | O and o |
| Δ and δ | \Delta and \delta | Π, π and ϖ | \Pi, \pi and \varpi |
| E, ε and ε | E, \epsilon and \varepsilon | P, ρ and ϱ | P, \rho and \varrho |
| Z and ζ | Z and \zeta | Σ, σ and ς | \Sigma, \sigma and \varsigma |
| H and η | H and \eta | T and τ | T and \tau |
| Θ, θ and ϑ | \Theta, \theta and \vartheta | Υ and υ | \Upsilon and \upsilon |
| I and ι | I and \iota | Φ, φ , and φ | \Phi, \phi and \varphi |
| K, κ and \varkappa | K, \kappa and \varkappa | X and χ | X and \chi |
| Λ and λ | \Lambda and \lambda | Ψ and ψ | \Psi and \psi |
| M and μ | M and \mu | Ω and ω | \Omega and \omega |

Other symbols

| Symbol | Script | Symbol | Script | Symbol | Script | Symbol | Script | Symbol | Script |
|------------|----------|----------|--------|--------|--------|-----------|--------|----------|--------|
| ∂ | \partial | \imath | \imath | \Re | \Re | ∇ | \nabla | \aleph | \aleph |
| \eth | \eth | \jmath | \jmath | \Im | \Im | \square | \Box* | \beth | \beth |
| \hbar | \hbar | ℓ | \ell | \wp | \wp | ∞ | \infty | \gimel | \gimel |

*Not predefined in LATEX 2. Use one of the packages latexsym, amsfonts, amssymb, txfonts, pxfonts, or wasysym

Trigonometric Functions

| Symbol | Script | Symbol | Script | Symbol | Script | Symbol | Script |
|------------|--------|---------------|---------|-------------|--------|------------|--------|
| sin | \sin | arcsin | \arcsin | sinh | \sinh | sec | \sec |
| cos | \cos | arccos | \arccos | cosh | \cosh | csc | \csc |
| tan | \tan | arctan | \arctan | tanh | \tanh | | |
| cot | \cot | arccot | \arccot | coth | \coth | | |