## Logic Symbols for LATEX

packages needed: amsmath, amssymb, MnSymbol, txfonts, pxfonts

| Symbol            | Name            |
|-------------------|-----------------|
| )                 | \supset         |
| $\rightarrow$     | \rightarrow     |
| V                 | \lor            |
| V                 | \vee            |
| ≡                 | \equiv          |
| $\leftrightarrow$ | \leftrightarrow |
| $\iff$            | \iff            |
| _                 | \neg            |
| ~                 | \sim            |
| •                 | \bullet         |
| ٨                 | \land           |
| &                 | \&              |
| €                 | \in             |
| ∉                 | \notin          |
| Ø                 | \emptyset       |
| C                 | \subset         |
| ⊆                 | \subseteq       |
| Λ                 | \cap            |
| U                 | \cup            |
| <b>⊫</b>          | \VDash          |
| ⊩                 | \Vdash          |
| ¥                 | \nVDash         |
| <b>—</b>          | \vdash          |
| ¥                 | \nvdash         |
| F                 | \models         |
| ¥                 | \nrightmodels   |

| Symbol   | Name          |
|--|---------------|
|  | \square       |
|  | \medsquare    |
| <b>♦</b>   | \diamond      |
| $\Diamond$   | \meddiamond   |
| $\forall$  | \forall       |
| 3  | \exists       |
| ρ  | \rho          |
| σ  | \sigma        |
| τ  | \tau          |
| η  | \eta          |
| -3   | \strictif     |
| $\qquad \qquad \Box \rightarrow$   | \boxright     |
| $\Diamond\!$ | \Diamondright |