Logic Symbols for LaTeX

packages needed: amsmath, amssymb, MnSymbol

\supset: ⊃   \subseteq: ⊆

\rightarrow: →   \subset: ⊂

\lor: ∨   \cap: ∩

\vee: ∨   \cup: ∪

\equiv: ≡   \Vdash: ⊩

\leftrightarrow: ↔   \nVDash: ⊯

\iff: ⟺   \vdash: ⊢

\neg: ¬   \nvdash: ⊬

\sim: ~   \models: ⊨

\bullet: •   \nrightmodels: ⊭

\wedge: ∧   \square: □

\&: &   \diamond: ◇

\in: ∈   \forall: ∀

\notin: ∉   \exists: ∃

\emptyset: ∅