

TEX Sample, Phil 12A

My Cool Name

1. Typical font styles:

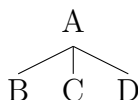
Style	Example	Command
Bold	validity	<code>\textbf{validity}</code>
Italics	<i>validity</i>	<code>\emph{validity}</code>
Underline	<u>validity</u>	<code>\uline{validity}</code>
Sans Serif	validity	<code>\textsf{validity}</code>
Quotations	“validity”	<code>‘ ‘validity’ ’</code>

2. To type math symbols, surround the commands with $\$...\$$, e.g. to type “ $A \vee B$ ”, use $\$A \ \backslash\vee\ B\$$.
3. A bunch of useful symbols for Phil 12A.

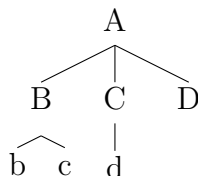
Symbol	Meaning
α, β, \dots	Greek Letters
$\sim A$	Negation (“not”)
$A \ \& \ B$	Conjunction (“and”)
$A \vee B$	Disjunction (“or”)
$A \supset B$	Conditional (“if...then”)
$A \equiv B$	Biconditional (“if and only if”)
\therefore	Therefore
$\exists x Fx$	Existential Quantifier (“there exists an $x\dots$ ”)
$\forall x Fx$	Universal Quantifier (“for all $x\dots$ ”)
F_a, G_{ab}	Subscripts
F^1, G^{12}	Superscripts
\sqrt{I}	Square root
\times	Closed branch

Be careful with subscripts and superscripts!! For instance, F^{12} yields “ F^{12} ”. To get ‘12’ as a superscript, type $F^{\{12\}}$.

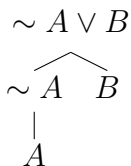
4. Typing trees takes a bit more practice. There are a number of ways to do it. One method involves the command `\Tree` (from `qtree`). See the [qtree documentation](#) for details. Some examples are provided below (**note**: the spaces and curly brackets are important!):



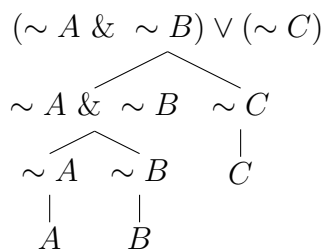
`\Tree [B C D].A`



`\Tree [[.B b c] [.C d] [.D]].A`



`\Tree [[.{\sim A} {A}] [.{B}]].{\sim A \vee B}`



`\Tree [[[.{\sim A} {A}] [.{\sim B} {B}]]. {\sim A \& \sim B} [.{\sim C} {C}]]. {\sim A \& \sim B \vee \sim C}`