

Math Logic Symbols with Examples

Symbol	Symbol Name	Symbol Meaning	Example
\vee	reversed caret	or	$x \vee y$
	vertical line	or	$x y$
•	and	and	$x \cdot y$
^	caret / circumflex	and	$x \wedge y$
&	ampersand	and	$x \& y$
+	plus	or	$x + y$
x'	single quote	not - negation	x'
\bar{x}	bar	not - negation	\bar{x}
\neg	not	not - negation	$\neg x$
!	exclamation mark	not - negation	$!x$
\oplus	circled plus / oplus	exclusive or - xor	$x \oplus y$
~	tilde	negation	$\sim x$
\Rightarrow	implies	implies	$X \Rightarrow Y$
\Leftrightarrow	equivalent	if and only if (iff)	$A \Leftrightarrow B$
\leftrightarrow	equivalent	if and only if (iff)	$A \leftrightarrow B$
\forall	for all		
\exists	there exists		
\nexists	there does not exists		
\therefore	therefore		
\because	because / since		