

Math Symbols

Here is a list of math symbols I might use in class.

Symbol	Explanation
α	alpha
β	beta
γ	gamma
Γ	Gamma
δ	delta
Δ	Delta
ϵ	epsilon
ζ	zeta
η	eta
θ	theta
κ	kappa
λ	lambda
Λ	Lambda
μ	mu
ν	nu
ξ	xi
π	pi
Π	Pi
ρ	rho
σ	sigma
Σ	Sigma
τ	tau
ϕ	phi
χ	chi
ψ	psi
ω	omega
Ω	Omega
\mathbb{R}	The set of all real numbers
\mathbb{Z}	The set of all integers
\mathbb{N}	The set of all natural numbers
\cup	union, as in set union
\cap	intersection, as in set intersection
\circ	composition, as in the composition of functions
\setminus	minus, as in set notation, for example, $\mathbb{R} \setminus 0$ is the set of all real numbers except 0
\subset	proper subset, for example $\mathbb{Z} \subset \mathbb{R}$
\subseteq	subset (could be equal)
\in	in or an element of
\notin	not in or not an element of
\supset	proper superset
\supseteq	superset (could be equal)
\perp	perpendicular
\neq	not equal to
\approx	approximately equal to
\parallel	parallel
\Rightarrow	implies
\forall	for all
\exists	there exists
∂	partial derivative