

Symbols Frequently Used in Mathematics

$\pm$	Plus or minus	$\circ$	Composition of functions
$\cup$	Union of sets	$\cap$	Intersection of sets
$\subset, \subseteq$	Subset	$\supset, \supseteq$	Superset
$\in$	Is an element of	$\equiv$	Equivalence
$\sim$	Similarity	$\approx$	Approximation
$\neq$	Not equal	$\propto$	Proportional to
$\rightarrow$	Approaches	$\Rightarrow$	Implies
$\mapsto$	Maps to	$\aleph$	Aleph
$\Re$	Real part	$\Im$	Imaginary part
$\mathbb{Z}$	Set of integers	$\mathbb{Q}$	Set of rational numbers
$\mathbb{R}$	Set of real numbers	$\mathbb{C}$	Set of complex numbers
$\emptyset$	Empty set	$\forall$	For all
$\exists$	There exists	∞	Infinity
$\sum$	Sum	$\prod$	Product
$\int$	Integral		

Commonly Used Lowercase Greek Letters

α	alpha	β	beta	γ	gamma	δ	delta	ϵ, ε	epsilon
ζ	zeta	η	eta	θ	theta	κ	kappa	λ	lambda
μ	mu	ν	nu	ξ	xi	π	pi	ρ	rho
σ	sigma	τ	tau	ϕ	phi	χ	chi	ψ	psi
ω	omega								

Commonly Used Uppercase Greek Letters

Γ	gamma	Δ	delta	Θ	theta	Λ	lambda	Ξ	xi
Π	pi	Σ	sigma	Φ	phi	Ψ	psi	Ω	omega