



Integration Glossary

Term	Definition
Integration	The process of finding the antiderivative or indefinite integral of a function.
Antiderivative	A function whose derivative is the given function.
Area under a curve	The region bounded by a function and the x-axis, found by integration.
Rational functions	Functions that can be expressed as the quotient of two polynomial functions.
Rates of change	The change in a function's output is divided by the change in its input.
Even Function	A function where $f(x) = f(-x)$ for all x in the domain.
Differential equations	Equations involving a function and its derivatives.
Growth and decay	Exponential functions describing increasing or decreasing quantities over time.
Odd Function	A function where $f(x) = -f(-x)$ for all x in the domain.