Piecewise notation and continuity

Topic	Rule
Evaluate	Use the piece whose interval contains x
[a, b]	Endpoints included — closed dots
(a, b)	Endpoints excluded — open dots
Continuous at c	lim from left = lim from right = f(c)
Jump	One-sided limits differ
Removable	Limits agree, f(c) differs or is undefined
Integral	Split at breakpoints and add

Notes

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