Justification Flow Chart for Function Analysis & Behavior

This chart works for any piece of given information about a function. Find given data to start, follow the flow of information to use the appropriate vocabulary when justification is required.

			Vocabulary		
			Positive Negative	Increase Decrease	Concave Up Concave Down
Function	position	f(x) s(t)		7×	7 X
	velocity	f'(x) v(t)	X	AX E	1
	acceleration	f''(x) $a(t)$	XX		

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