



Function Notation & Evaluation

Today's Standard

HSF.IF.A2 - Use function notation, evaluate functions for inputs in their domains, and interpret statements that use function notation in terms of a context.

Cues	Notes
Function Notation	Function notation $f(x)$ represents the output of function f for input x .
Evaluate Functions	Evaluating functions involves substituting input values into the function.
Interpret Statements	Interpret statements using function notation in context to understand their real-world meaning.
Real-World Examples	Examples include predicting population growth, calculating interest rates, and modeling physics phenomena.
Common Misconceptions	Misconceptions include thinking $f(x)$ means multiplication and believing all functions are linear.

Summary

Understanding function notation and how to evaluate functions is essential for interpreting mathematical statements in various contexts. This knowledge helps in solving real-world problems and prepares students for advanced mathematical concepts.