Combining Function Types

Today's Standard

HSF.BF.A1b - Combine standard function types using arithmetic operations. For example, build a function that models the temperature of a cooling body by adding a constant function to a decaying exponential, and relate these functions to the model.

Cues	Notes
Function Combination	Combining different function types using arithmetic operations.
Arithmetic Operations	Example: Modeling temperature with a constant function and a decaying exponential.
Real-World Models	Different function combinations can yield new function types.
Common Misconceptions	Order of combining functions affects the result.

Summary

Combining functions using arithmetic operations allows for the creation of complex models. Understanding the properties of these combinations and the impact of operation order is key to mastering this standard.