



Equivalent Forms of Functions

Today's Standard

HSF.IF.C8 - Write a function defined by an expression in different but equivalent forms to reveal and explain different properties of the function.

Real-World Applications for this Standard

Analyzing profit functions in business; Modeling population growth; Optimizing engineering designs; Understanding physics equations; Budget planning

Today I Learned

Today we learned about how to write functions in different ways to understand them better. This helps us see all the important parts of the function.

Common Stumbling Blocks

Sometimes, students think that different ways of writing a function mean they are different functions, but they are the same. Another mistake is thinking that changing how we write a function changes its important parts, but it doesn't.

Quiz Me

- What is a function?
- Can a function look different but be the same?
- What stays the same when we change how a function looks?
- Why do we write functions in different ways?
- How can drawing a graph help us understand a function?

Help Me

When we write functions in different ways, we can see how they work in real life, like in business to see profits, in science to understand growth, or in planning to make good budgets.