



Graphing Symbolic Functions

Today's Standard

HSF.IF.C7 - Graph functions expressed symbolically and show key features of the graph, by hand in simple cases and using technology for more complicated cases.*

Real-World Applications for this Standard

Predicting population growth using exponential functions; Modeling business profit and loss over time; Analyzing the trajectory of a projectile in physics; Understanding the spread of diseases in epidemiology

Today I Learned

Today, we learned about graphing functions. We looked at how to draw graphs of different types of functions and find important points on the graphs.

Common Stumbling Blocks

Sometimes kids think that all graphs are straight lines, but that's not true. Graphs can be curves too. Another mistake is thinking that all functions are the same type, but they can be different like squiggly lines or smooth curves.

Quiz Me

- What is a function?
- Can a graph be a curve?
- What is a straight-line graph called?
- Can different functions have different shapes?
- What tool can help us draw complicated graphs?

Help Me

Graphs help us see how things change. For example, we can use graphs to see how fast a car goes or how much money we save. Drawing graphs helps us understand these changes better.