Proactive Instruction

Cornell Notes

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.*

Cues	Notes
Key Features of Graphs Types of Functions Graphing Techniques Real-World Applications Common Misconceptions	Identify and interpret key features such as intercepts, maxima, minima, and asymptotes. Functions can be linear, quadratic, exponential, etc., each with unique graph shapes. Graph functions by hand for simple cases; use technology for complex cases. Apply graphing skills to model real-world scenarios, such as population growth or business trends. Misconception: All functions are linear. Reality: Functions can have various shapes.

Summary

Understanding how to graph functions and identify key features is critical for interpreting mathematical relationships and solving real-world problems. Functions can take many forms, and mastering this skill prepares students for advanced math topics.