Graphing Functional Relationships

Today's Standard

8.F.B5 - Describe qualitatively the functional relationship between two quantities by analyzing a graph (e.g., where the function is increasing or decreasing, linear or nonlinear). Sketch a graph that exhibits the qualitative features of a function that has been described verbally.

Cues	Notes
Function	A function is a relationship between two quantities.
Graph	Graphs can show where a function is increasing or decreasing.
Linear	Functions can be linear or nonlinear.
Nonlinear	The y-intercept is the value of the function when x is zero.
Y-Intercept	Real-world applications include stock market trends and population growth.
Real-world applications	

Summary

Understanding the qualitative relationship between two quantities using graphs is essential. Functions can be linear or nonlinear, and the y-intercept plays a crucial role in interpreting graphs.