Welcome to Precalculus
Lesson Objectives

Introduction to Precalculus Lesson

Assess personal readiness for studying and learning

Discuss strategies for using resources effectively

Distinguish between previous mathematics courses and precalculus

Identify the various resources that can be used to promote active learning

Set goals in the context of mathematical learning

Algebraic Expressions and Equations Lesson

Simplify algebraic expressions

Solve algebraic equations

Relations and Functions Lesson

Apply the definition of a relation and a function

Determine whether a relation is a function from its graph using the vertical line test

Represent relations and functions in tables and graphs

The Complex Number System Lesson

Identify the subsets of complex numbers and their relationships

Simplify a number using the imaginary unit i

Graph complex numbers on a complex number plane

Operations with Complex Numbers Lesson

Add, subtract, multiply, and divide complex numbers

Show that the set of complex numbers is closed under all four operations

Solve equations that have imaginary solutions