Introduction to Algebra - Solving Linear Equations

Learning Objective
Understand and solve basic linear equations using simple steps.

Introduction
Linear equations are math sentences with variables like x. They show relationships between numbers. To

Key Concepts
- Linear equations look like this: $ax + b = c$.
- Our goal is to find the value of x.
- Use opposite operations to solve the equation.
- Always do the same thing to both sides of the equation to keep it equal.

Example Problem
Solve: $3x - 4 = 11$
Step 1: Add 4 to both sides -> $3x = 15$
Step 2: Divide both sides by 3 -> $x = 5$