



Solving Equations and Inequalities

Today's Standard

HSA.CED.A1 - Create equations and inequalities in one variable and use them to solve problems. Include equations arising from linear and quadratic functions, and simple rational and exponential functions.

Cues	Notes
What are linear equations?	Linear equations are algebraic expressions that represent a straight line when graphed.
How can quadratic equations be used in real life?	Quadratic equations can model phenomena such as projectile motion and area calculations.
What is an inequality?	An inequality shows the relationship between expressions that are not equal, often representing a range of solutions.
What are rational functions?	Rational functions are ratios of polynomials and can model scenarios like rates and proportions.
How do exponential functions apply to real-world problems?	Exponential functions describe growth or decay processes, such as population growth or radioactive decay.

Summary

This standard involves creating and solving various types of equations and inequalities to address real-world problems, enhancing students' problem-solving skills.