

## High School Algebra Playlist: Solving Rational and Radical Equations

Aligns with [CCSS.Math.Content.HSA.REI.A.2](#): Solve simple rational and radical equations in one variable, and give examples showing how extraneous solutions may arise.

### Related Standards

- [CCSS.Math.Content.HSA.REI.A.1](#): Explain each step in solving a simple equation as following from the equality of numbers asserted at the previous step, starting from the assumption that the original equation has a solution. Construct a viable argument to justify a solution method.
- [CCSS.Math.Content.HSA.REI.B.3](#): Solve linear equations and inequalities in one variable, including equations with coefficients represented by letters.

PREVIEW



## Objectives

In this playlist, you will learn and practice the following skills:

- solve rational equations in one variable
- solve radical equations in one variable

Let's get started!

## Key Terms

- A **rational equation** is an equation containing the ratio of two polynomials.
- A **radical equation** is an equation containing the square root of a variable.

## Connections

- <https://openstaxcollege.org/textbooks/algebra-and-trigonometry>; section 2.2.2, page 131
- <https://openstaxcollege.org/textbooks/algebra-and-trigonometry>; section 2.6.3, page 195

PREVIEW

