



Radicals and Rational Exponents

Today's Standard

HSN.RN.A2 - Rewrite expressions involving radicals and rational exponents using the properties of exponents.

Cues	Notes
What are radicals?	Radicals are expressions that include a root, such as \sqrt{x} .
What are rational exponents?	Rational exponents are exponents that are fractions, like $x^{(1/2)}$.
How do you simplify expressions with radicals?	To simplify expressions with radicals, use the properties of exponents to rewrite them in an equivalent form.
What are common properties of exponents?	Common properties of exponents include the product rule, quotient rule, and power rule.
How do you rewrite expressions with rational exponents?	Rewriting expressions with rational exponents involves converting between radical and exponential forms using these properties.

Summary

Understanding how to rewrite expressions involving radicals and rational exponents using exponent properties is crucial for simplifying complex expressions and preparing for advanced math topics.