Topic 6 | Lesson 6-1 | Rational Exponents and Properties of Exponents

Pacing: 2 Days / Block: 1 Day

LESSON OBJECTIVE(S)	ESSENTIAL UNDERSTANDING	
Students will be able to: Extend the properties of integer exponents to rational exponents to rewrite radical expressions using rational exponents. Solve equations with rational exponents using the properties of exponents.	Radicals can be rewritten using rational exponents. The properties of exponents can be used to solve equations with rational exponents.	
NEW VOCABULARY		
Rational exponent		
STUDENT EDITION	STUDENT COMPANION	
Pages 217-223 or at SavvasRealize.com	Pages 115-118 or at SavvasRealize.com	

Teaching the Lesson

STEP 1: EXPLORE		
Critique & E	Explain	Student Edition & Student Companion
		SavvasRealize.com
STEP 2: UNDERSTAND & APPLY		
Example 1	: Write Radicals Using Rational Exponents	Student Edition & Student Companion SavvasRealize.com
Example 2:	Use the Product of Powers Property to Solve Equations With Rational Exponents	Student Edition & Student Companion SavvasRealize.com
Example 3:	Use the Power of Power Property to Solve Equations With Rational Exponents Support for Struggling Students and English Language Learners	Student Edition & Student Companion SavvasRealize.com

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