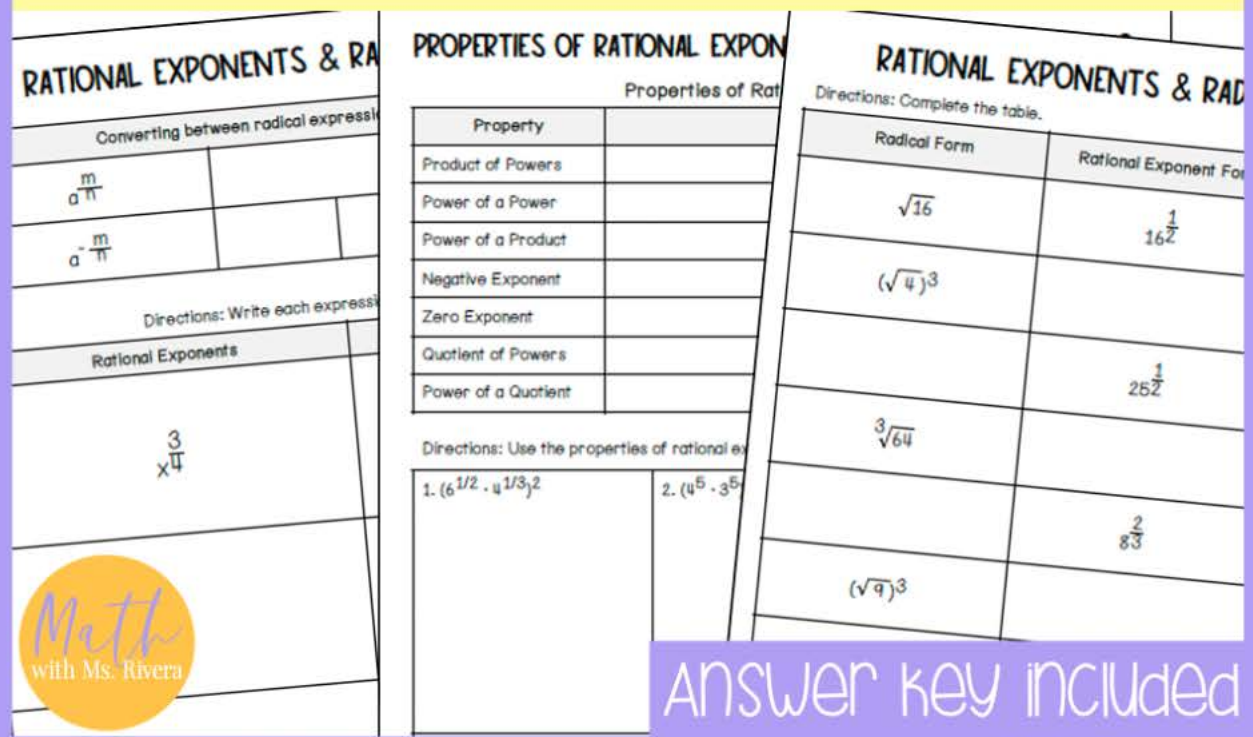
keep scrolling to get a sneak peak!

This set of guided notes will walk Algebra 2 students through rational exponents. All you need to do is print & make copies for your students!

RATIONAL EXPONENTS

Algebra 2 Guided Notes



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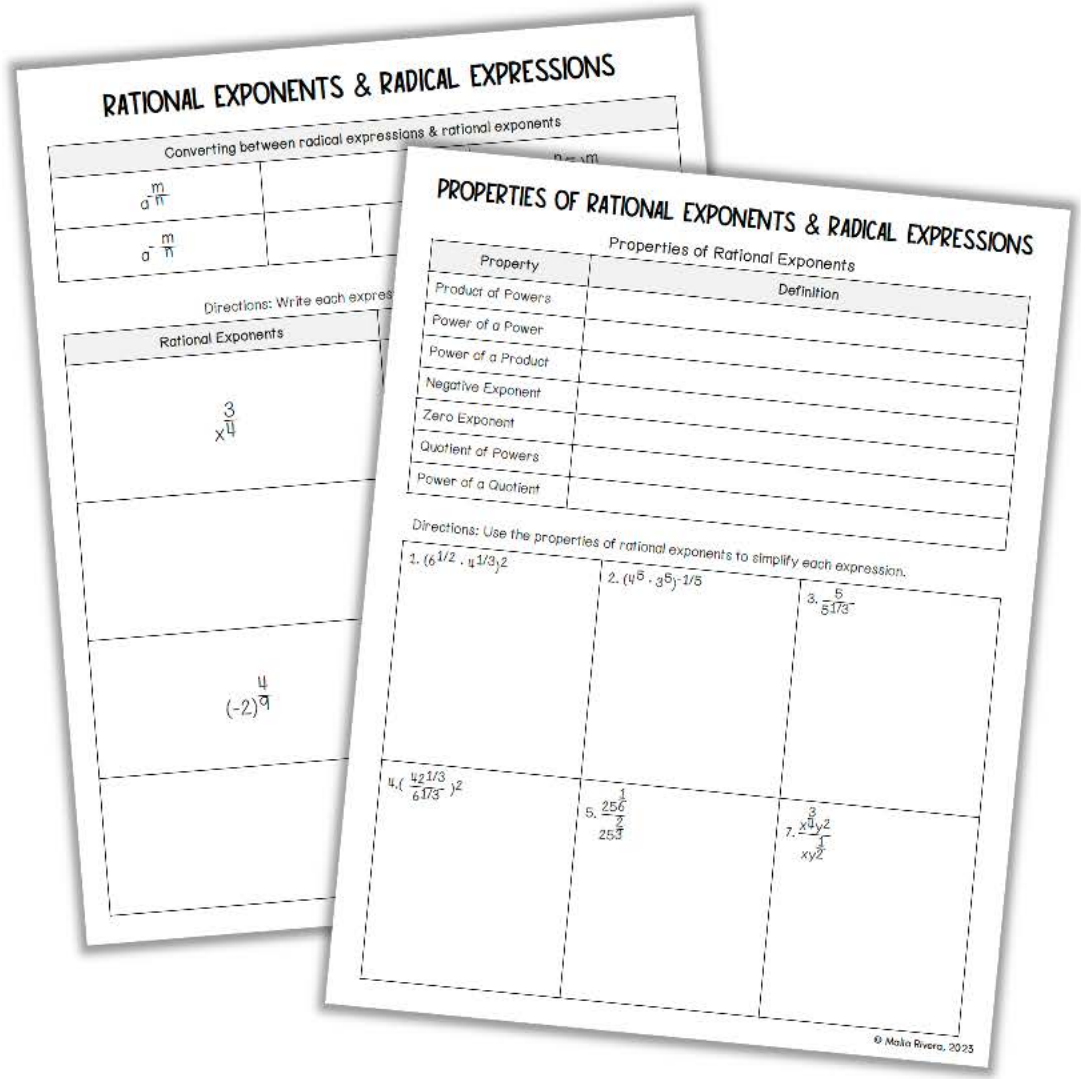
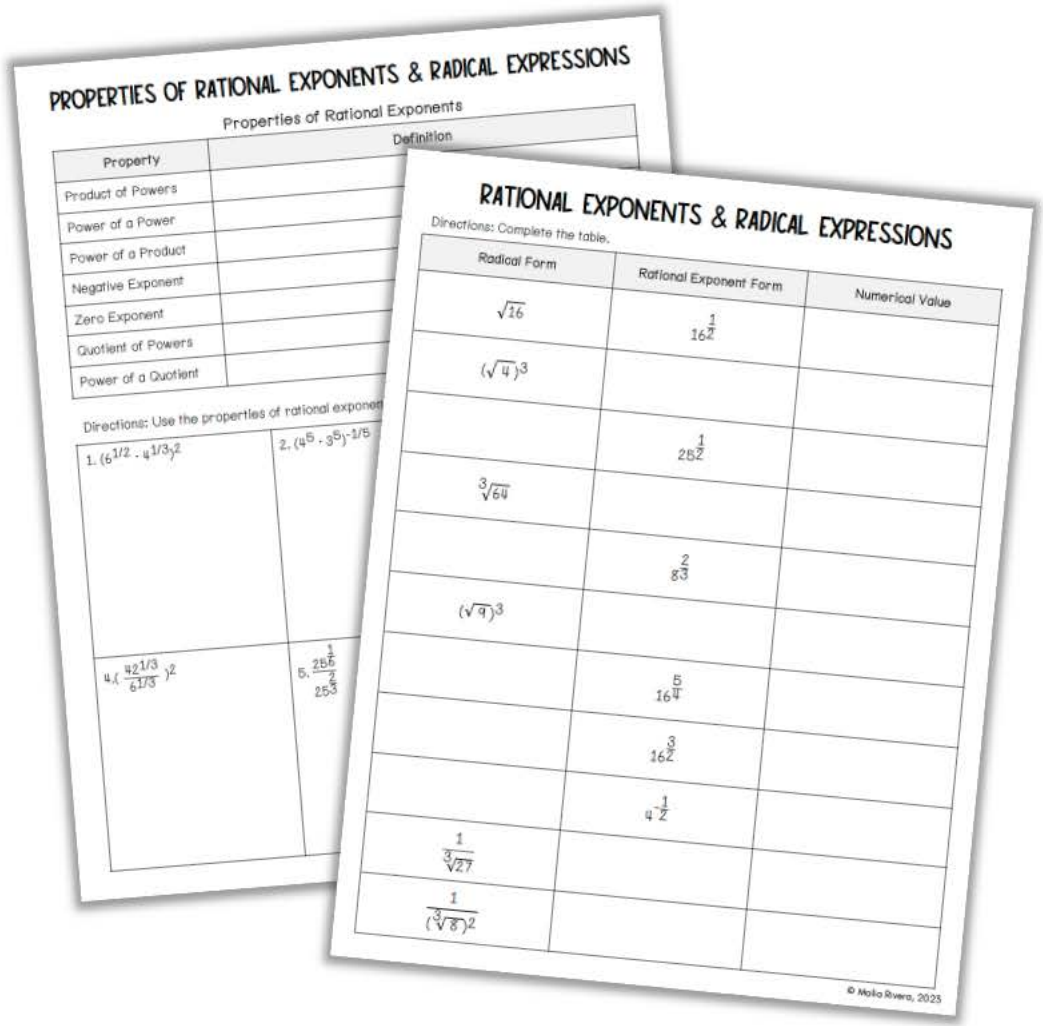
why do you need this?

- It's simple and done-for-you! Just print and make copies!
- Students can work on essential Algebra 2 skills.
- Aligns to CCSS, TEKS, and VA SOLs!
- Suggested and detailed answer keys are included for you!

Algebra 2 Guided Notes
Rational Exponents



Algebra 2 Guided Notes: Rational Exponents *includes*:



PROPERTIES OF RATIONAL EXPONENTS & RADICAL EXPRESSIONS

Properties of Rational Exponents

Property	Definition
Product of Powers	
Power of a Power	
Power of a Product	
Negative Exponent	
Zero Exponent	
Quotient of Powers	
Power of a Quotient	

Directions: Use the properties of rational exponents

1. $(6^{1/2} \cdot 4^{1/3})^2$
2. $(4^5 \cdot 3^5)^{-1/5}$
4. $\left(\frac{42^{1/3}}{6^{1/3}}\right)^2$
5. $\frac{25^{\frac{1}{6}}}{25^{\frac{2}{3}}}$

RATIONAL EXPONENTS & RADICAL EXPRESSIONS

Directions: Complete the table.

Radical Form	Rational Exponent Form	Numerical Value
$\sqrt{16}$	$16^{\frac{1}{2}}$	
$(\sqrt{4})^3$		
	$25^{\frac{1}{2}}$	
$\sqrt[3]{64}$		
	$8^{\frac{2}{3}}$	
$(\sqrt{9})^3$		
	$16^{\frac{5}{4}}$	
	$16^{\frac{3}{2}}$	
	$4^{-\frac{1}{2}}$	
$\frac{1}{\sqrt[3]{27}}$		
$\frac{1}{(\sqrt[3]{8})^2}$		

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- ✅ 3 pages of guided notes
- ✅ Properties of Rational Exponents
- ✅ Rewriting Radical Expressions to Rational Exponents
- ✅ Rewriting Rational Exponents to Radical Expressions

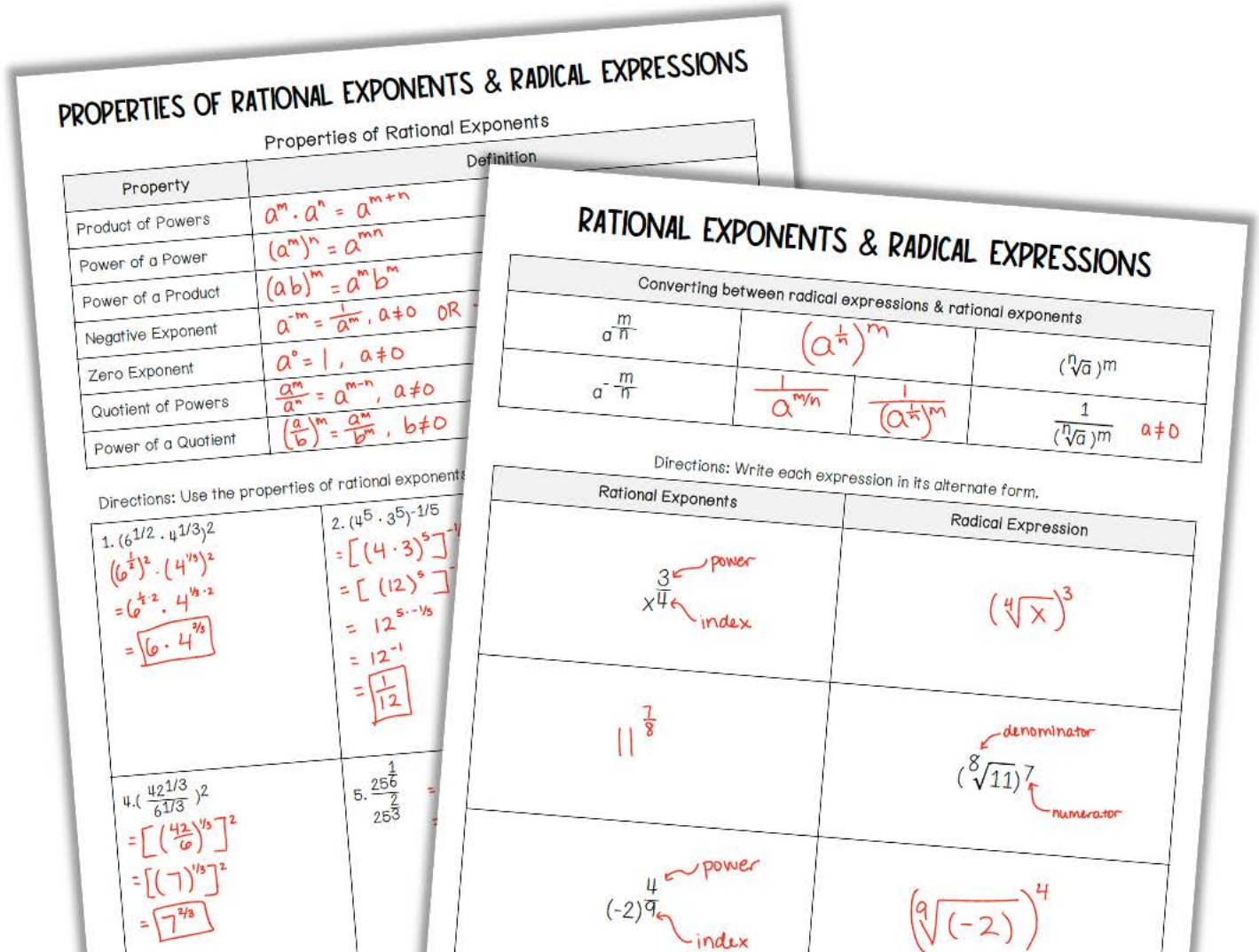
Algebra 2 Guided Notes: Rational Exponents *includes*:

✅ Detailed answer keys

CCSS: HSA-SSE.B.3

TEKS: A2.7.G

VA SOL: EO.All.1.b



Check out what *other teachers* are saying:

★★★★★

"This was great practice for my Algebra II students after I presented the lesson. Next Year, I may use them as notes."

- Vonda B.

★★★★★

"Great resource for what we were currently covering in precalc!"

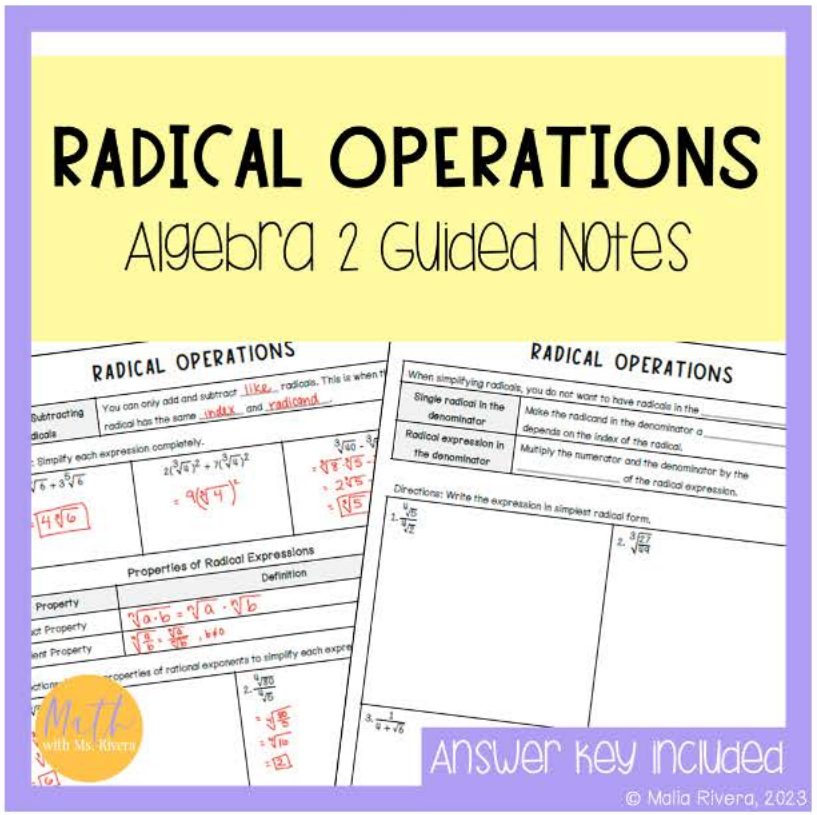
- Megan M.

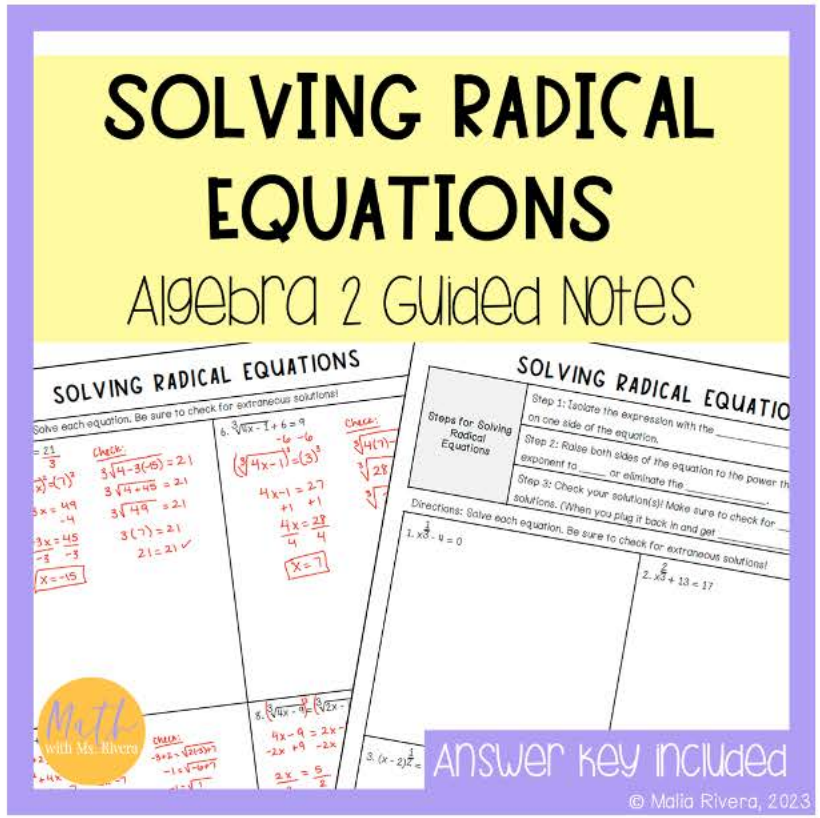
★★★★★

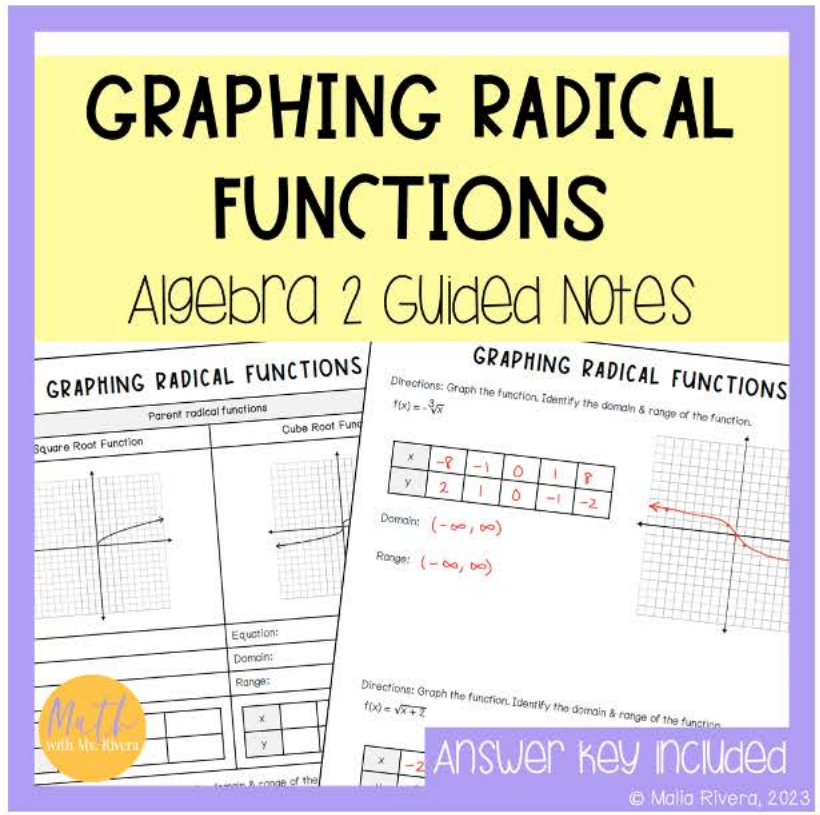
"I used this in conjunction with another document, but this would have worked fine on its own. The students found it much easier to understand the concept using these guided notes."

- Cheryl W.

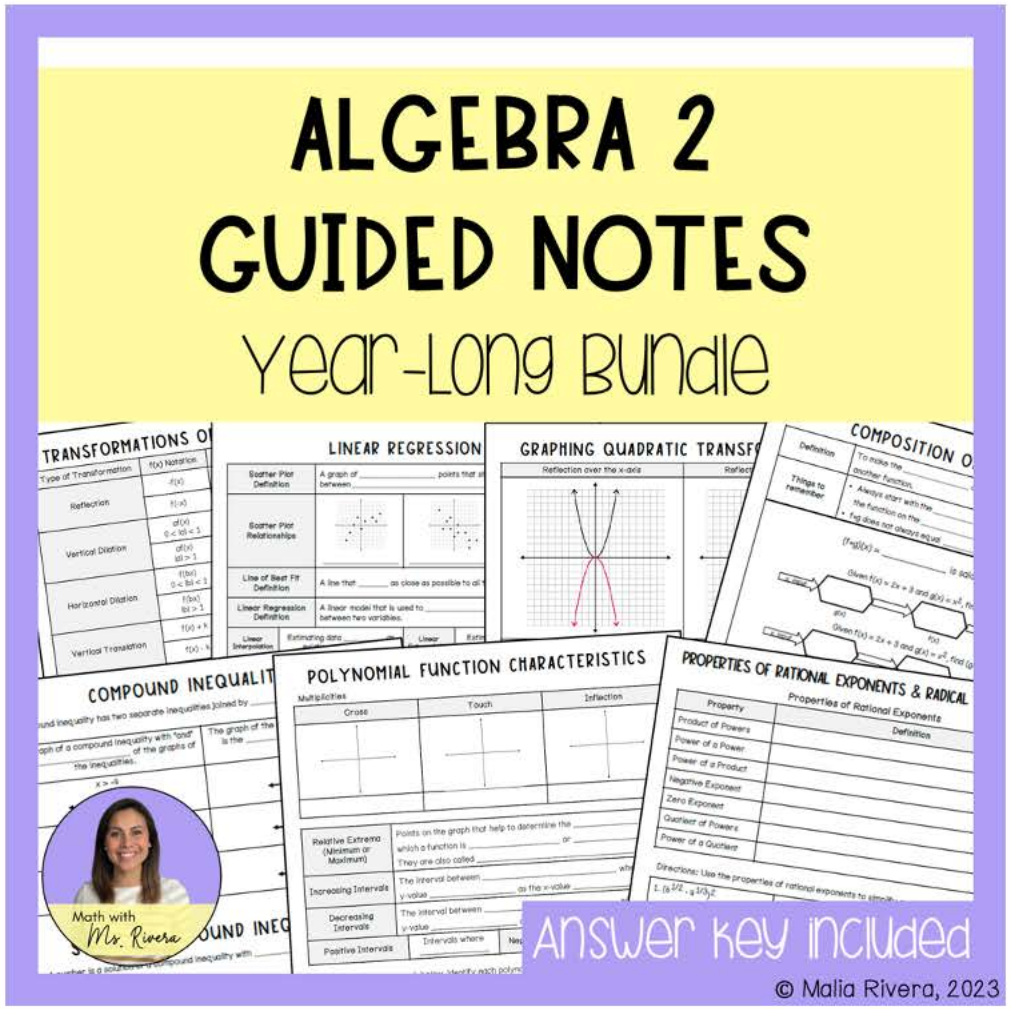
You may also *enjoy* ...







Check out the *year-long bundle*!



hey there!

My name is Malia and I'm passionate about making learning and practicing math fun. I love creating engaging math resources for my students and I hope your students enjoy these Rational Exponents guided notes for Algebra 2 that can be used all year long!

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