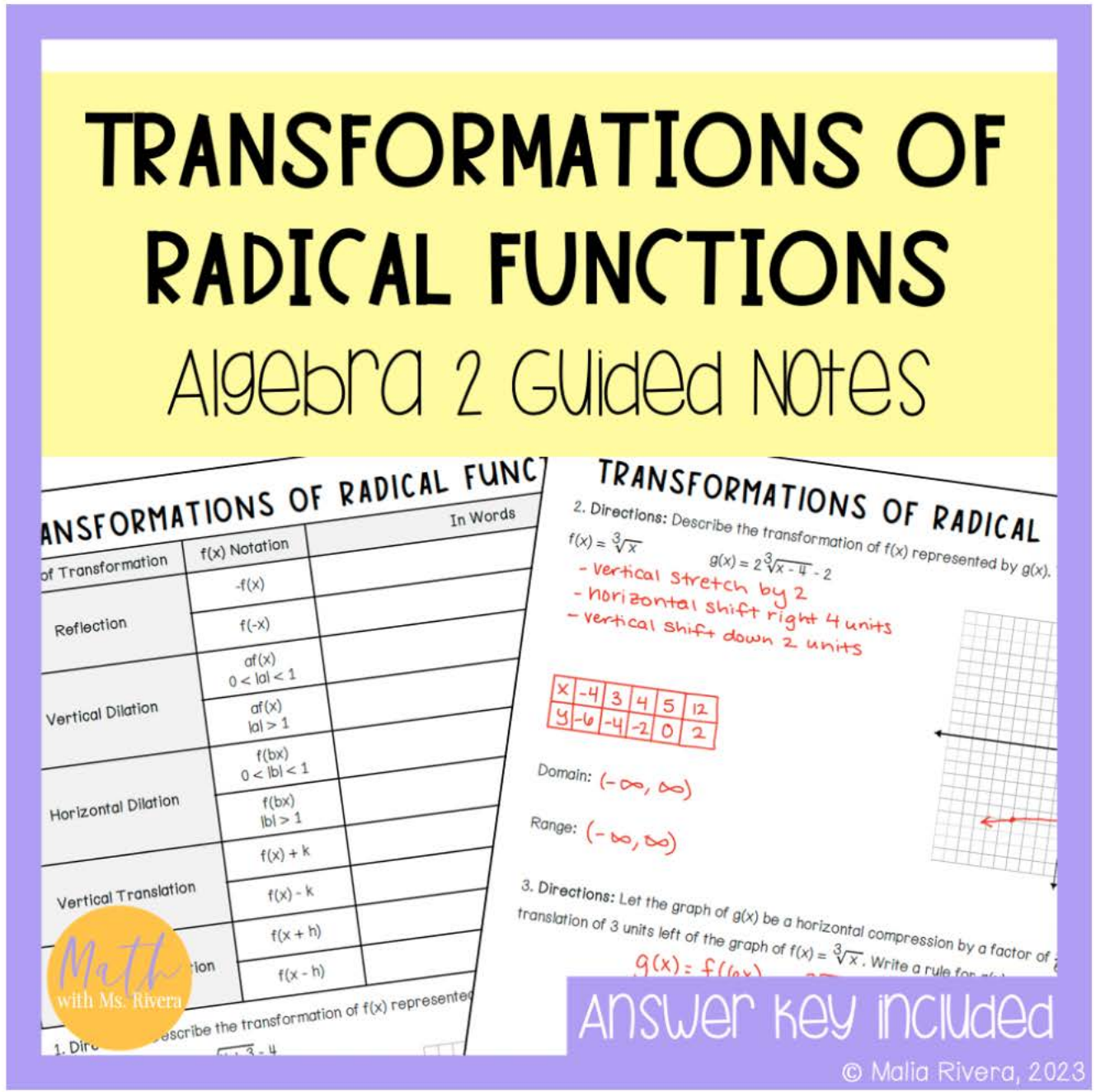
keep scrolling to get a sneak peak!

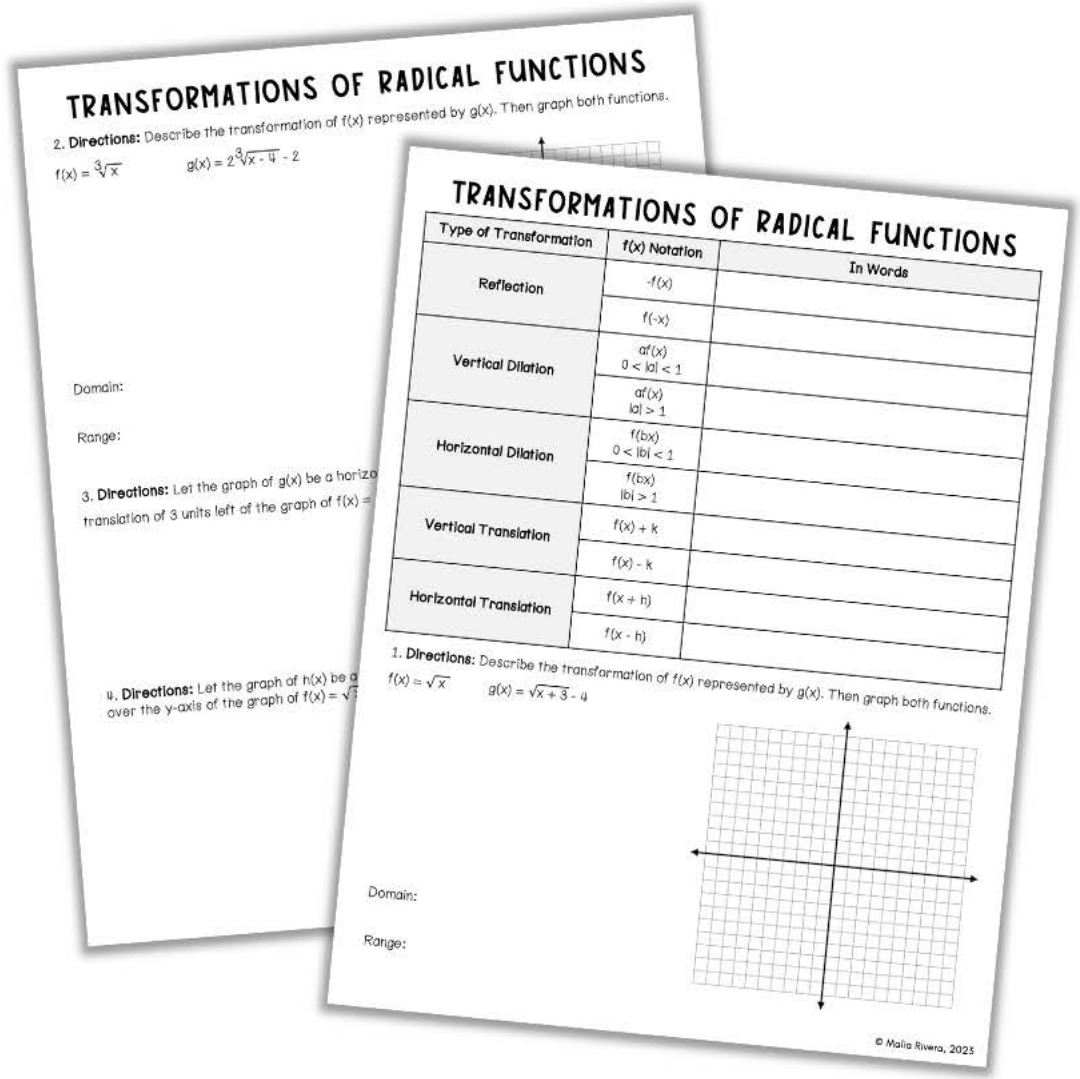
This set of guided notes will walk Algebra 2 students through transformations of radical functions.
All you need to do is print & make copies for your students!



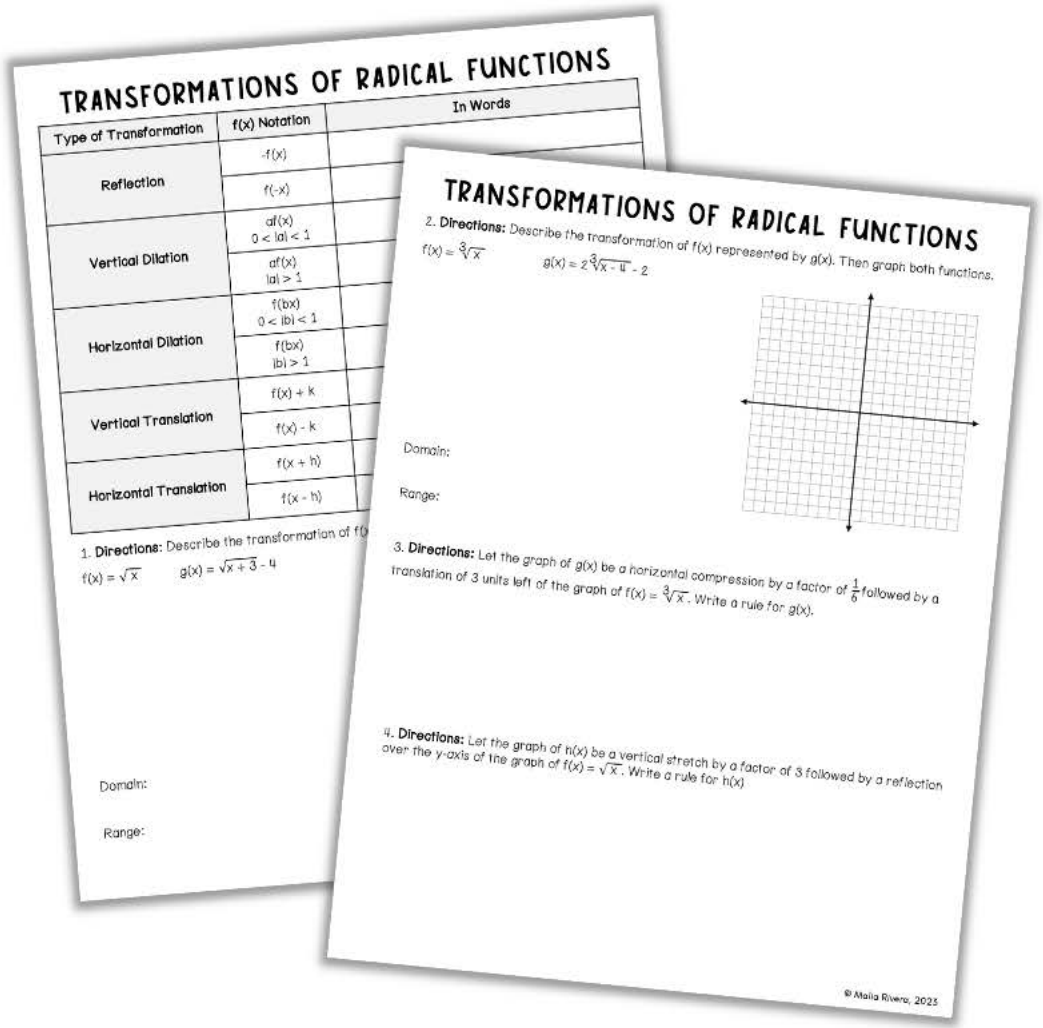
why do you need this?

- 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 Transformations of Radical Functions



Algebra 2 Guided Notes: Transformations of Radical Functions *includes*:



TRANSFORMATIONS OF RADICAL FUNCTIONS

Type of Transformation	f(x) Notation	In Words
Reflection	-f(x)	
	f(-x)	
Vertical Dilation	af(x) $0 < \|a\| < 1$	
	af(x) $\|a\| > 1$	
Horizontal Dilation	f(bx) $0 < \|b\| < 1$	
	f(bx) $\|b\| > 1$	
Vertical Translation	f(x) + k	
	f(x) - k	
Horizontal Translation	f(x + h)	
	f(x - h)	

1. **Directions:** Describe the transformation of f(

$f(x) = \sqrt{x}$ $g(x) = \sqrt{x+3} - 4$

Domain:

Range:

TRANSFORMATIONS OF RADICAL FUNCTIONS

2. **Directions:** Describe the transformation of f(x) represented by g(x). Then graph both functions.

$f(x) = \sqrt[3]{x}$ $g(x) = 2\sqrt[3]{x-4} - 2$

Domain:

Range:

3. **Directions:** Let the graph of g(x) be a horizontal compression by a factor of $\frac{1}{6}$ followed by a translation of 3 units left of the graph of $f(x) = \sqrt[3]{x}$. Write a rule for g(x).

4. **Directions:** Let the graph of h(x) be a vertical stretch by a factor of 3 followed by a reflection over the y-axis of the graph of $f(x) = \sqrt{x}$. Write a rule for h(x)

- ✅ 2 pages of guided notes
- ✅ Identifying Transformations from Equations
- ✅ Graphing Transformations
- ✅ Writing Equations of Radical Function Transformations
- ✅ Square and Cube Root Functions

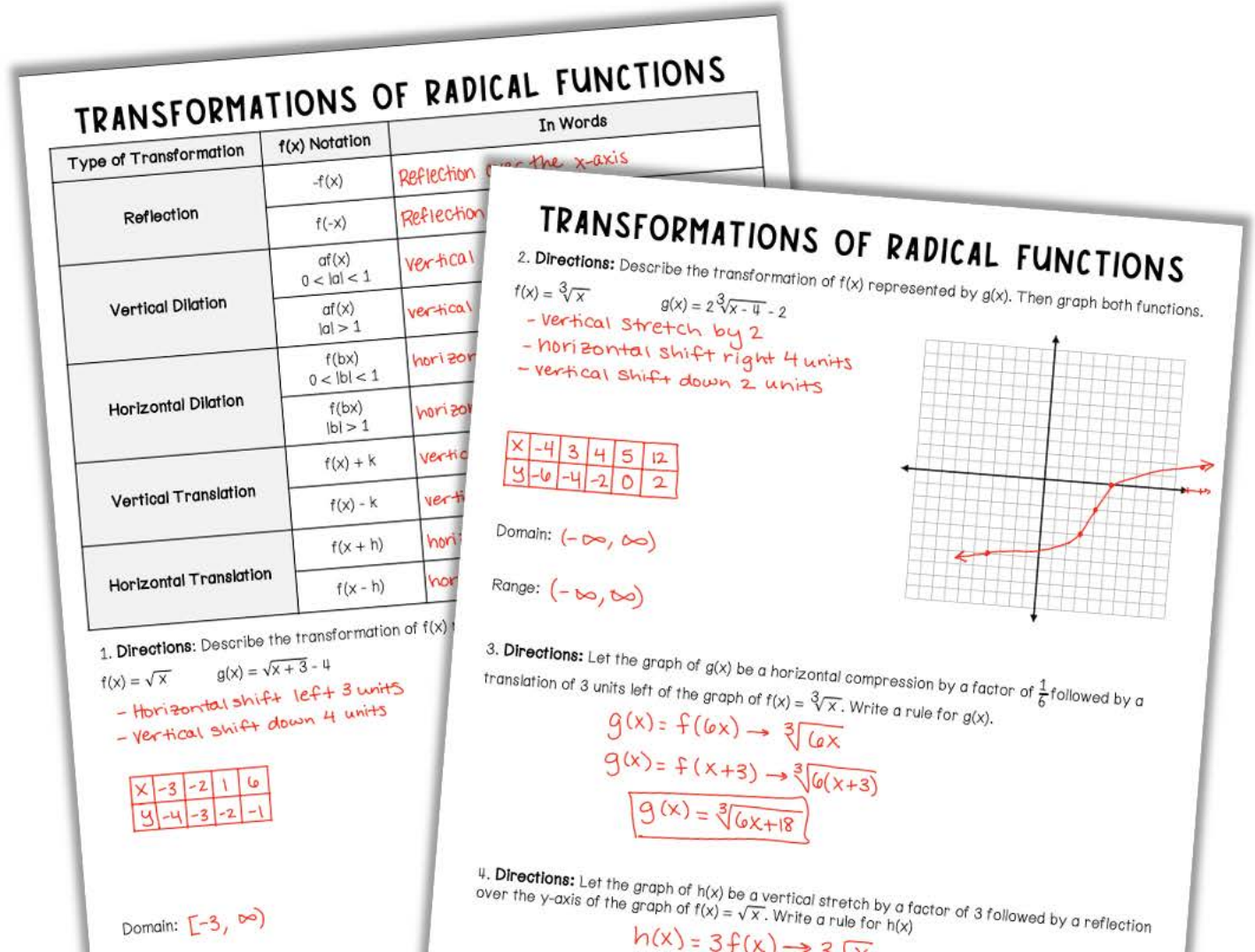
Algebra 2 Guided Notes: Transformations of Radical Functions *includes*:

✅ Detailed answer keys

CCSS: HSF-IF.C.7b, HSF-BF.B.3

TEKS: A2.4.C, A2.6.A

VA SOL: EO.AII.6.a, EO.AII.6.b, EO.AII.7.a



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!"

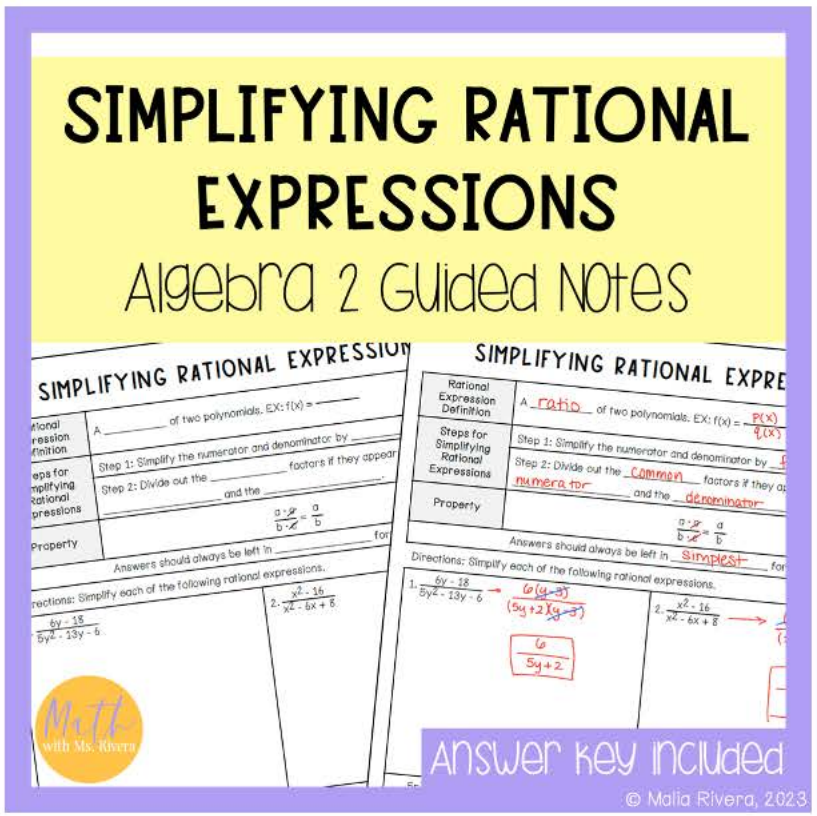
- Megan M.

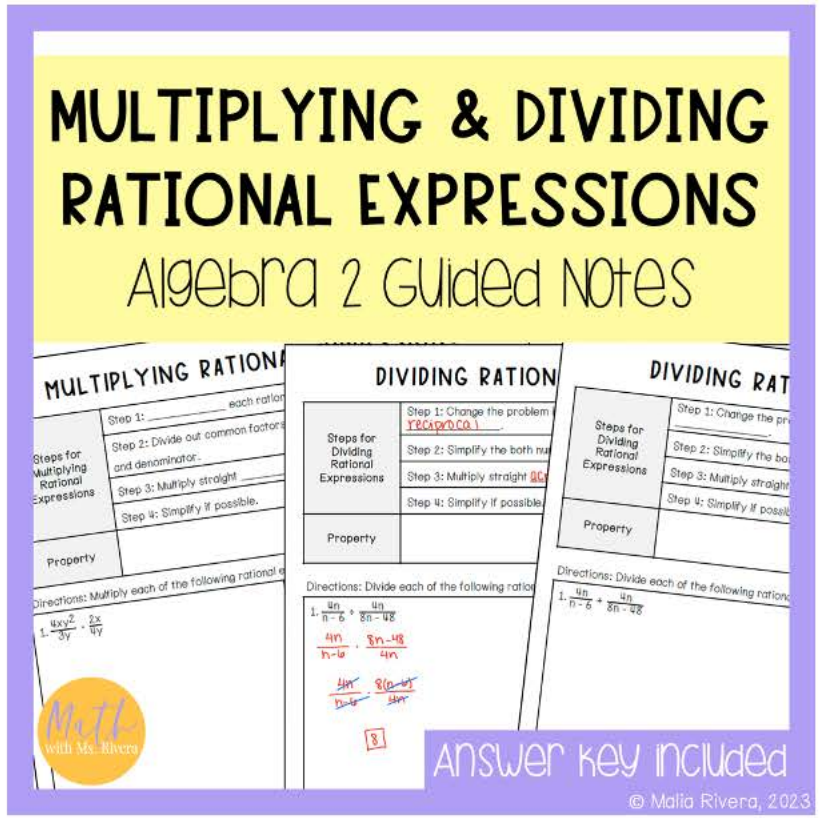
★★★★★

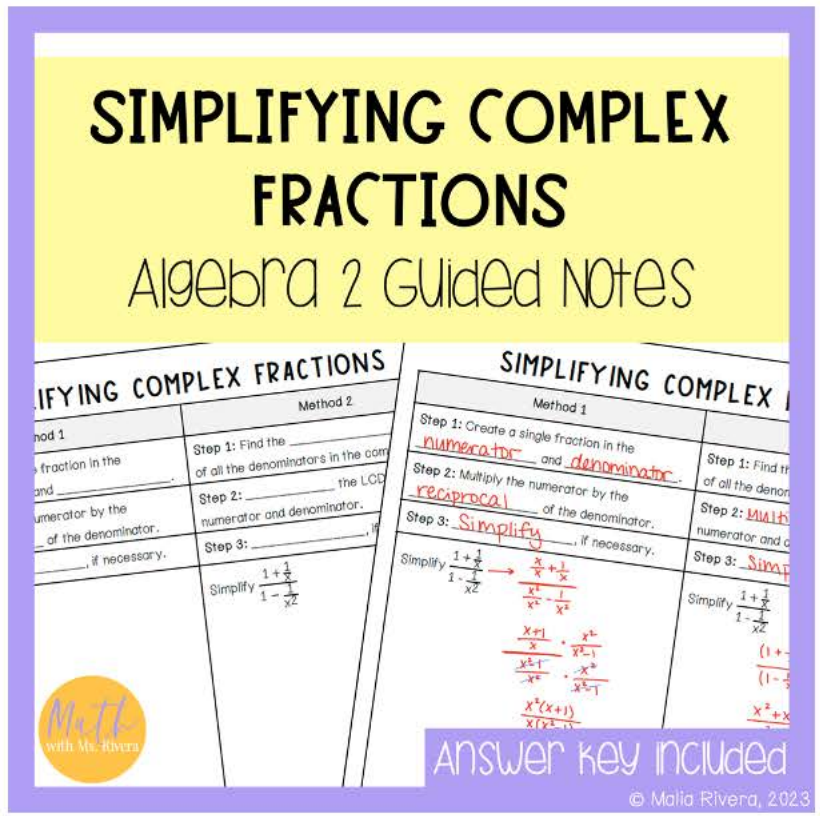
"I used this in conjunction with another document, but this would have worked fine on its own. The students found it much easier to understand the concept using these guided notes."

- Cheryl W.

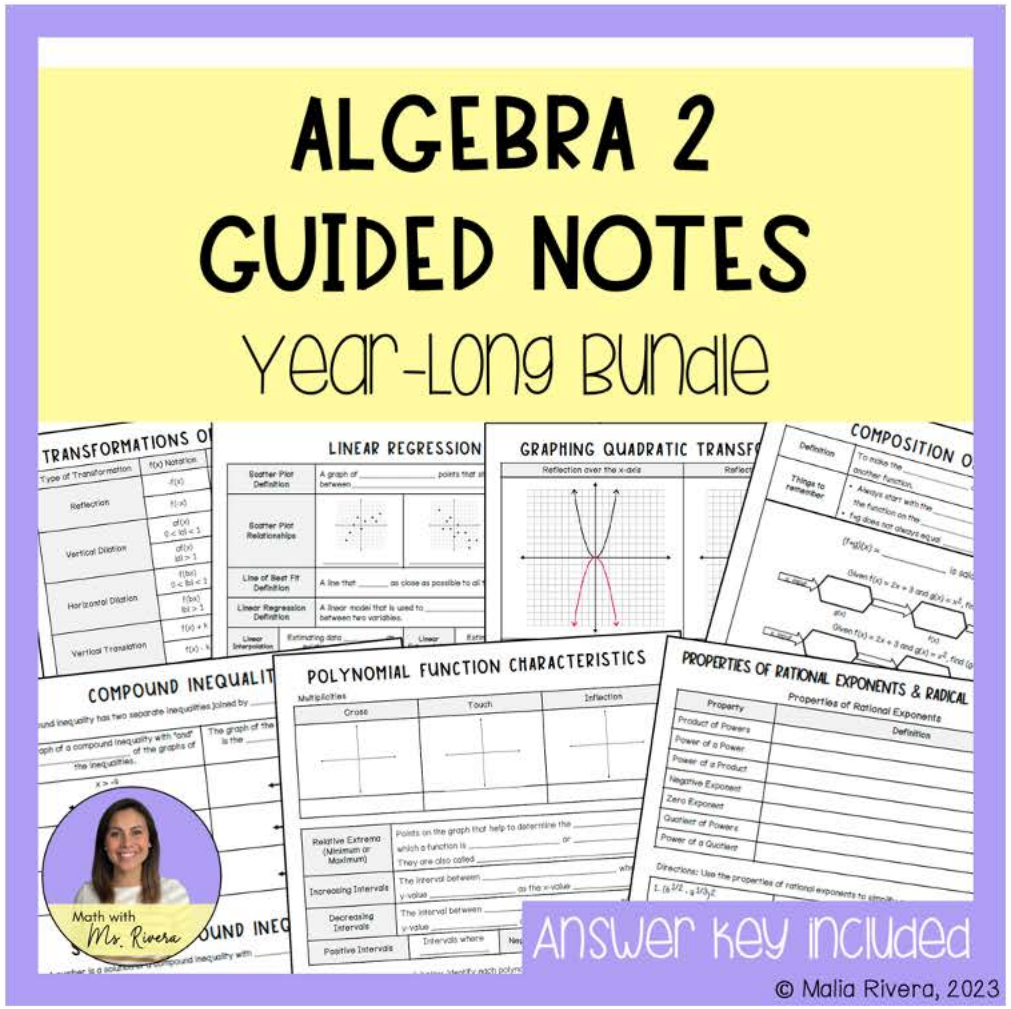
You may also *enjoy* ...







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 Transformations of Radical Functions guided notes for Algebra 2 that can be used all year long!

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