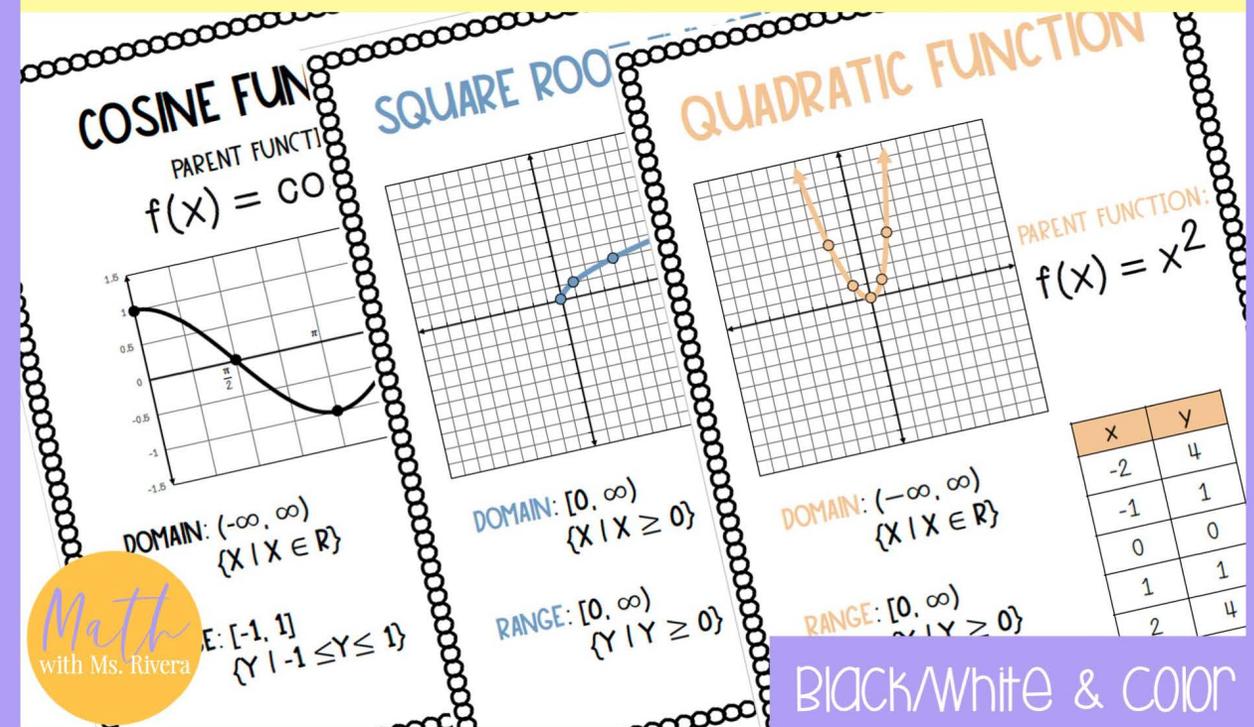


keep scrolling to get a sneak peak!

Decorate your Algebra 2 classroom with these 12 parent functions anchor charts! Having these anchor charts posted around your room will help your students visualize parent functions during the unit. These parent functions anchor charts are ready to print and hang in your classroom!

PARENT FUNCTIONS

Anchor Charts



Math
with Ms. Rivera

Black/White & Color

© Malia Rivera, 2023

why do you need this?



It's simple and done-for-you! Just print and hang up!



Students can visualize parent functions during your unit.

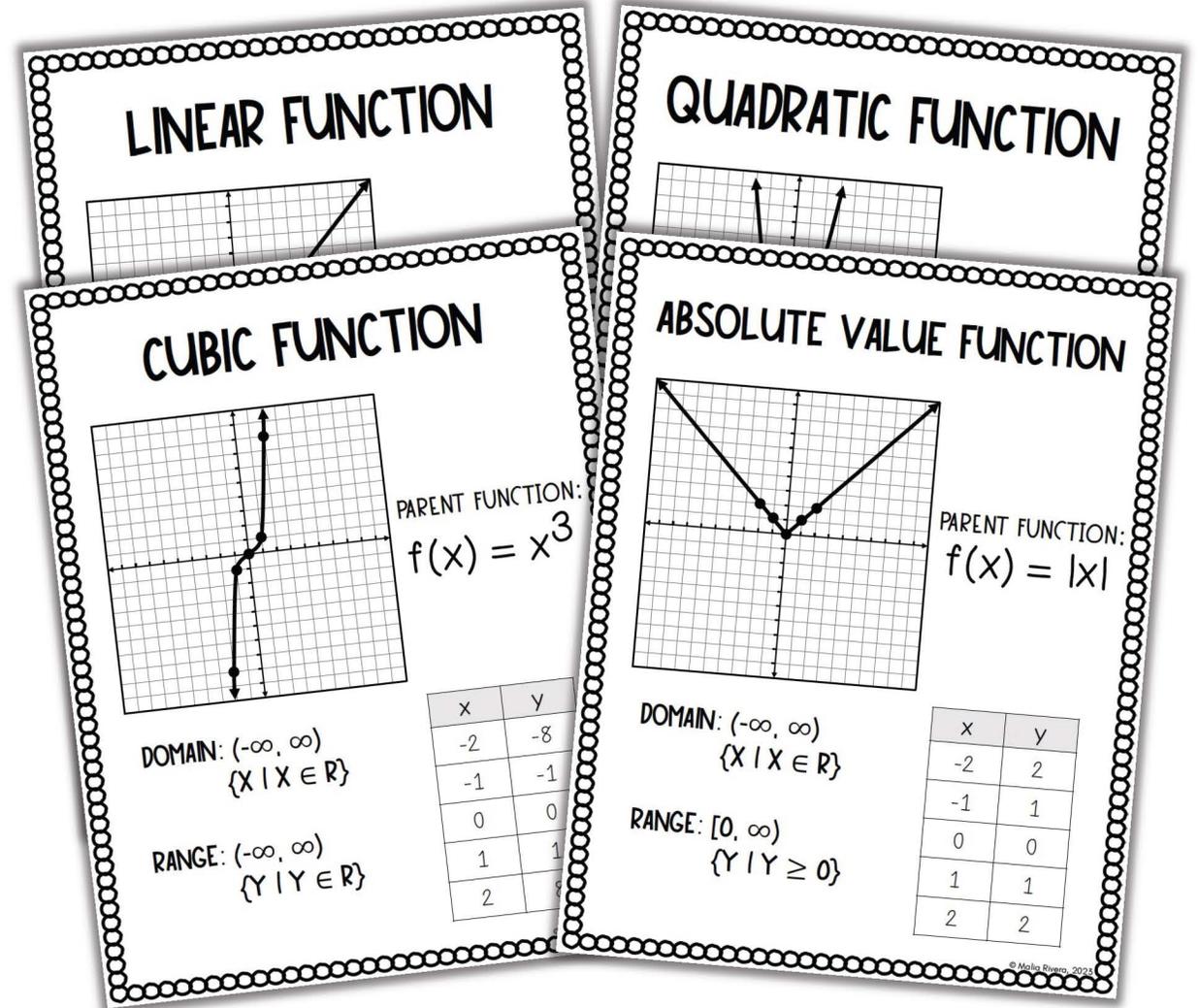


Aligns to CCSS, TEKs, and VA SOLs!

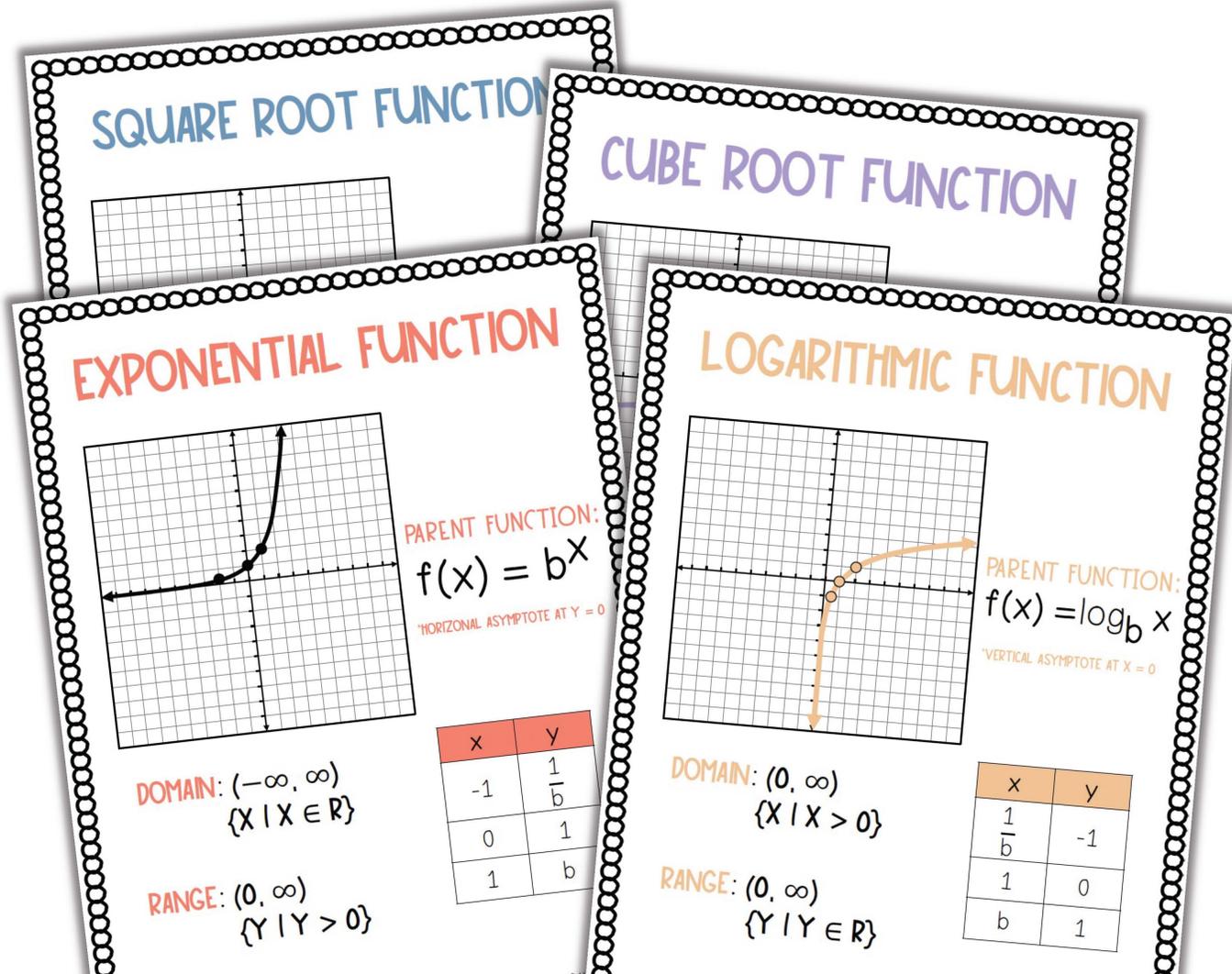


You can also print at a reduced size and use a binder ring to make reference cards.

Algebra 2 Parent Functions Anchor Charts



Algebra 2 Anchor Charts: Parent Functions *includes:*



- ✓ Linear Functions
- ✓ Quadratic Functions
- ✓ Cubic Functions
- ✓ Square Root Functions
- ✓ Cube Root Functions
- ✓ Absolute Value Functions
- ✓ Exponential Functions
- ✓ Logarithmic Functions
- ✓ Rational Functions
- ✓ Sine Functions
- ✓ Cosine Functions
- ✓ Tangent Functions

Algebra 2 Anchor Charts: Parent Functions *includes:*

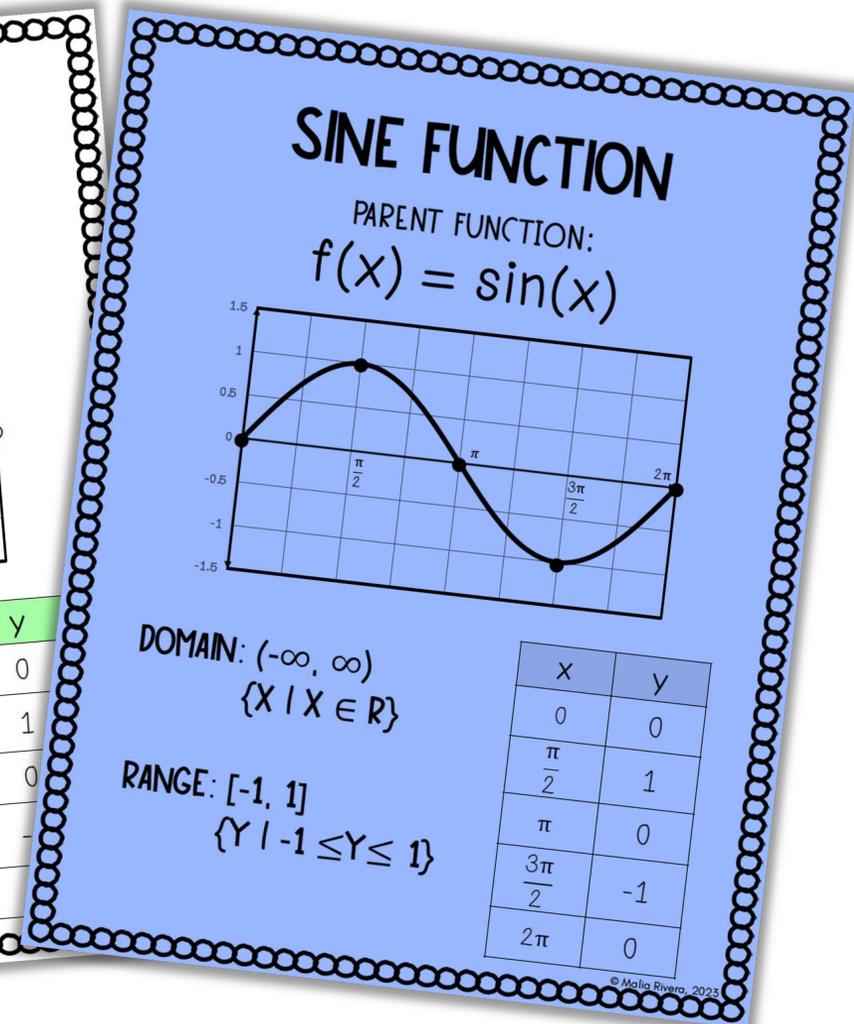
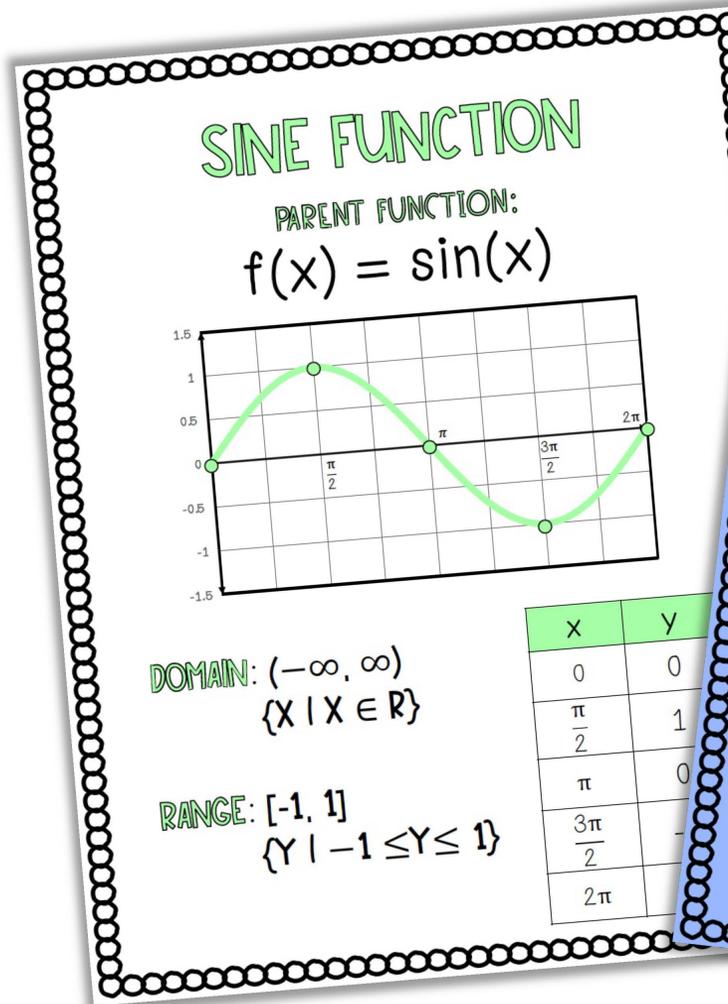
- ✓ Black-and-White Version
- ✓ Colored Version

Standards Covered:

CCSS: HSF-BF.B.3

TEKS: MA.9-12.A2.2.A

VA SOLs: F.All.6.a & F.A.11.6.b



Check out what *other teachers* are saying:



"Great material! Thanks for making my life so much easier."

- Nancy Beach (TPT Seller)



"Great resource for online learning so students have their own anchor charts."

-Brittnye Reiner (TPT Seller)



"Thank you for making pretty things I can hang up in my room."

- Megan Riley (TPT Seller)

Check out the *year-long bundle!*

ALGEBRA 2 GUIDED NOTES Year-Long Bundle

TRANSFORMATIONS OF FUNCTIONS

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

LINEAR REGRESSION

Scatter Plot Definition: A graph of _____ points that all _____

Scatter Plot Relationships: _____

Line of Best Fit Definition: A line that _____ as close as possible to all _____

Linear Regression Definition: A linear model that is used to _____ between two variables.

Linear Interpolation: _____

GRAPHING QUADRATIC TRANSFORMS

Reflection over the x-axis: _____

Reflection: _____

COMPOSITION OF FUNCTIONS

Definition: To make the _____ another function.

Things to remember:

- Always start with the _____ the function on the _____
- $f \circ g$ does not always equal _____

$(f \circ g)(x) = \dots$ is also _____

Given $f(x) = 2x + 3$ and $g(x) = x^2$, find $f(g(x))$

Given $f(x) = 2x + 3$ and $g(x) = x^2$, find $g(f(x))$

COMPOUND INEQUALITIES

A compound inequality has two separate inequalities joined by _____

The graph of a compound inequality with "and" of the graphs of _____ the inequalities.

$x > -4$

$x \leq 2$

$x > -4$ and $x \leq 2$

POLYNOMIAL FUNCTION CHARACTERISTICS

Multiplicities	Touch	Inflection
Cross		

Relative Extrema (Minimum or Maximum): Points on the graph that help to determine the _____ which a function is _____ or _____ They are also called _____

Increasing Intervals: The interval between _____ y-values _____ as the x-values _____

Decreasing Intervals: The interval between _____ y-values _____

Positive Intervals: _____

PROPERTIES OF RATIONAL EXPONENTS & RADICALS

Property	Properties of Rational Exponents
Product of Powers	Definition
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 to simplify _____

1. $(\frac{1}{2})^{-2} - 4^{1/2}$



Answer key included



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 Parent Functions Anchor Charts for Algebra 2 that can be used all year long!

Did you know you could get **FREE** money from TPT??

All you need to do is leave feedback on the product after you purchase. [Click here](#) to leave reviews and earn credits towards your next TPT purchase!

let's connect!



Follow my TPT store



Follow my Instagram



Join my FB group