

Why do you need this?

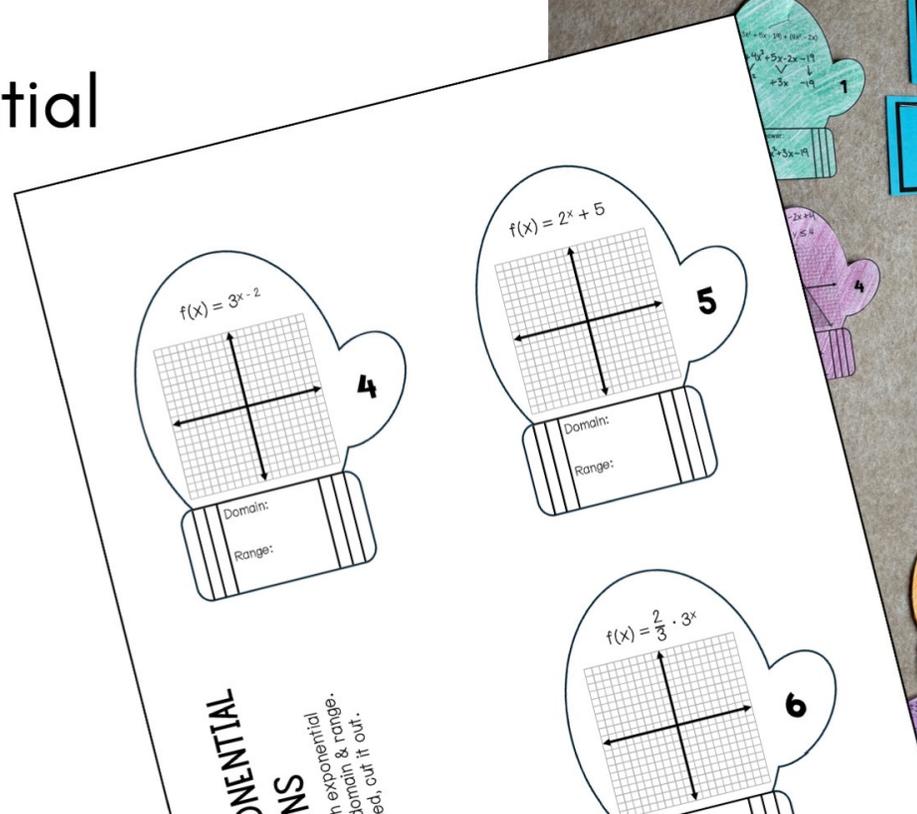
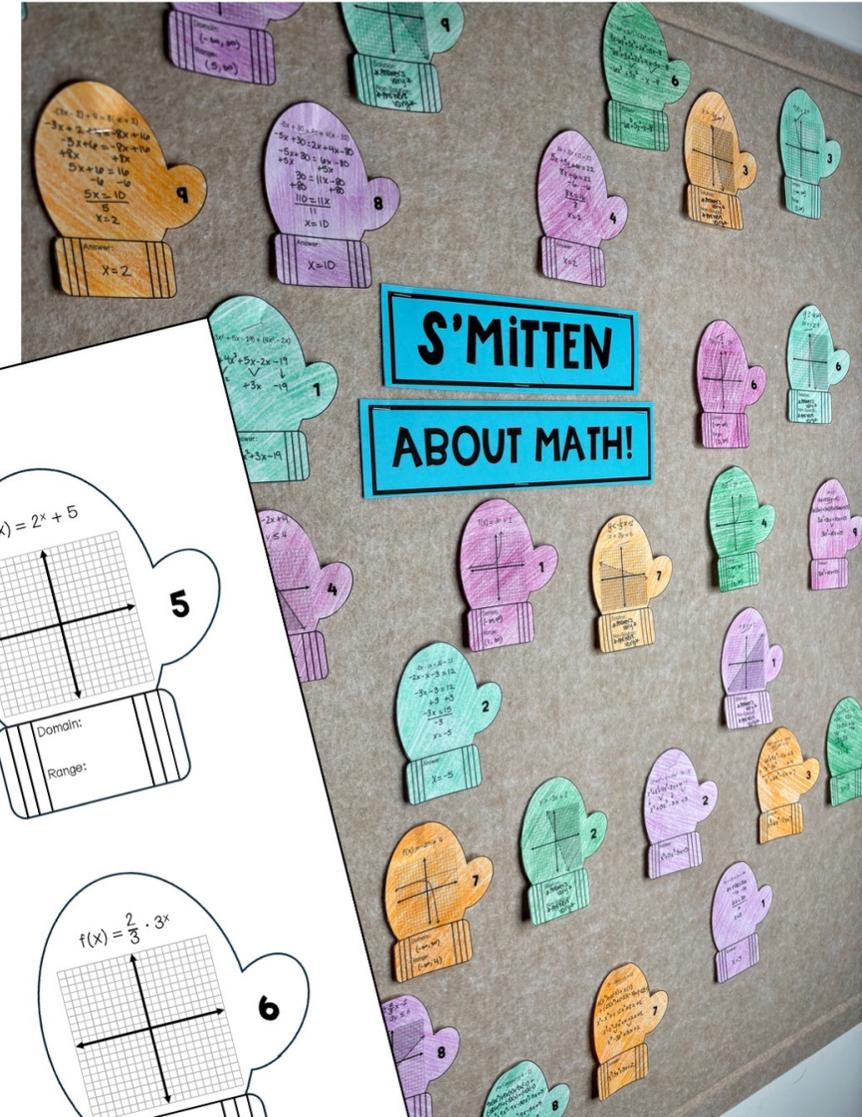
Graphing Exponential Functions Mittens Bulletin Board



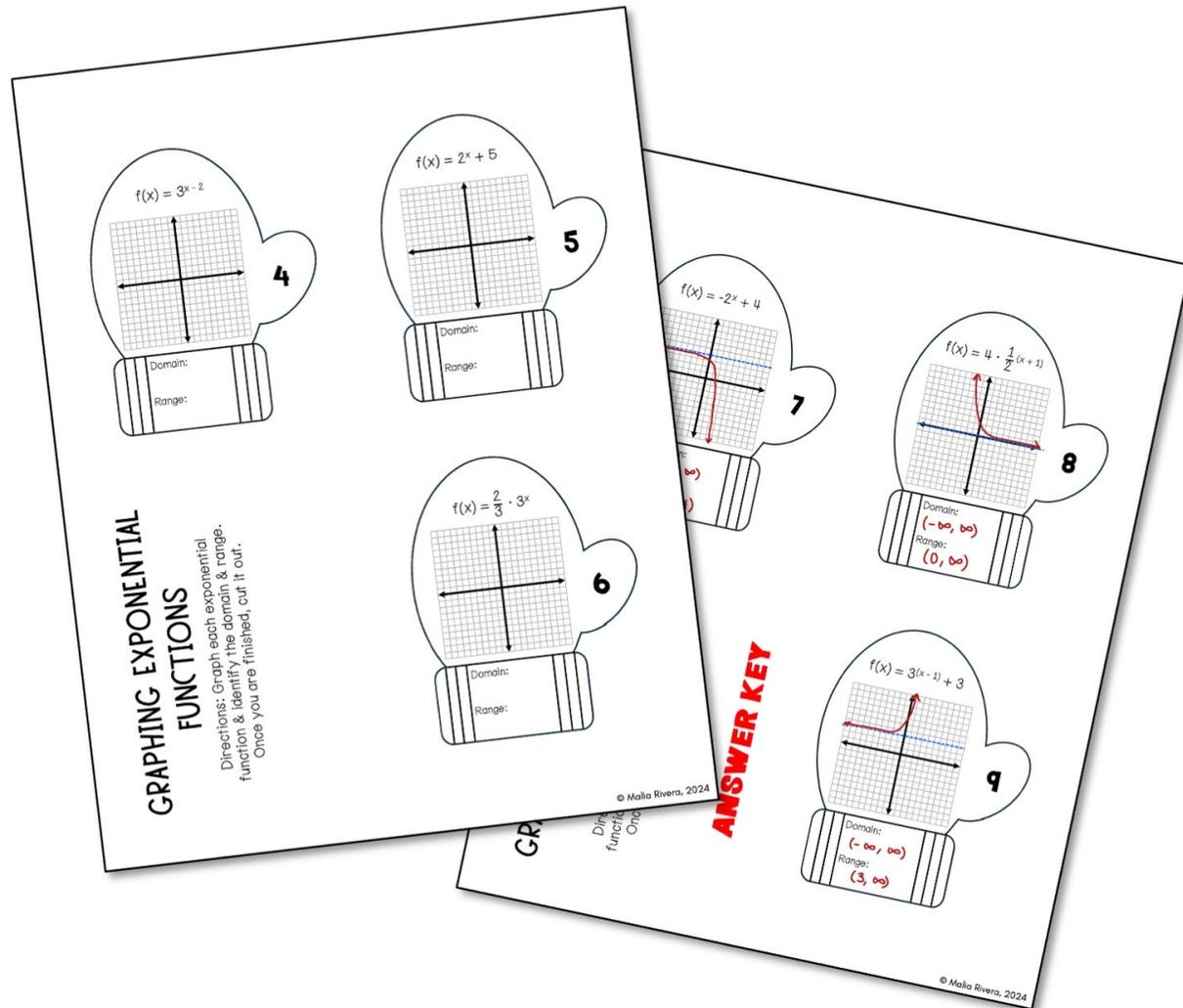
New & engaging way to help students practice graphing transformations of exponential functions



Unique, collaborative way to display student work



Graphing Exponential Functions Mittens includes:



✓ 3 blank tessellation pages per student

✓ 9 questions total

✓ an answer key

✓ teacher instructions

Graphing Transformations of Exponential Functions Bulletin Board

standards covered:

CCSS: HSF-IF.B.4

TEKs: A2.2.A

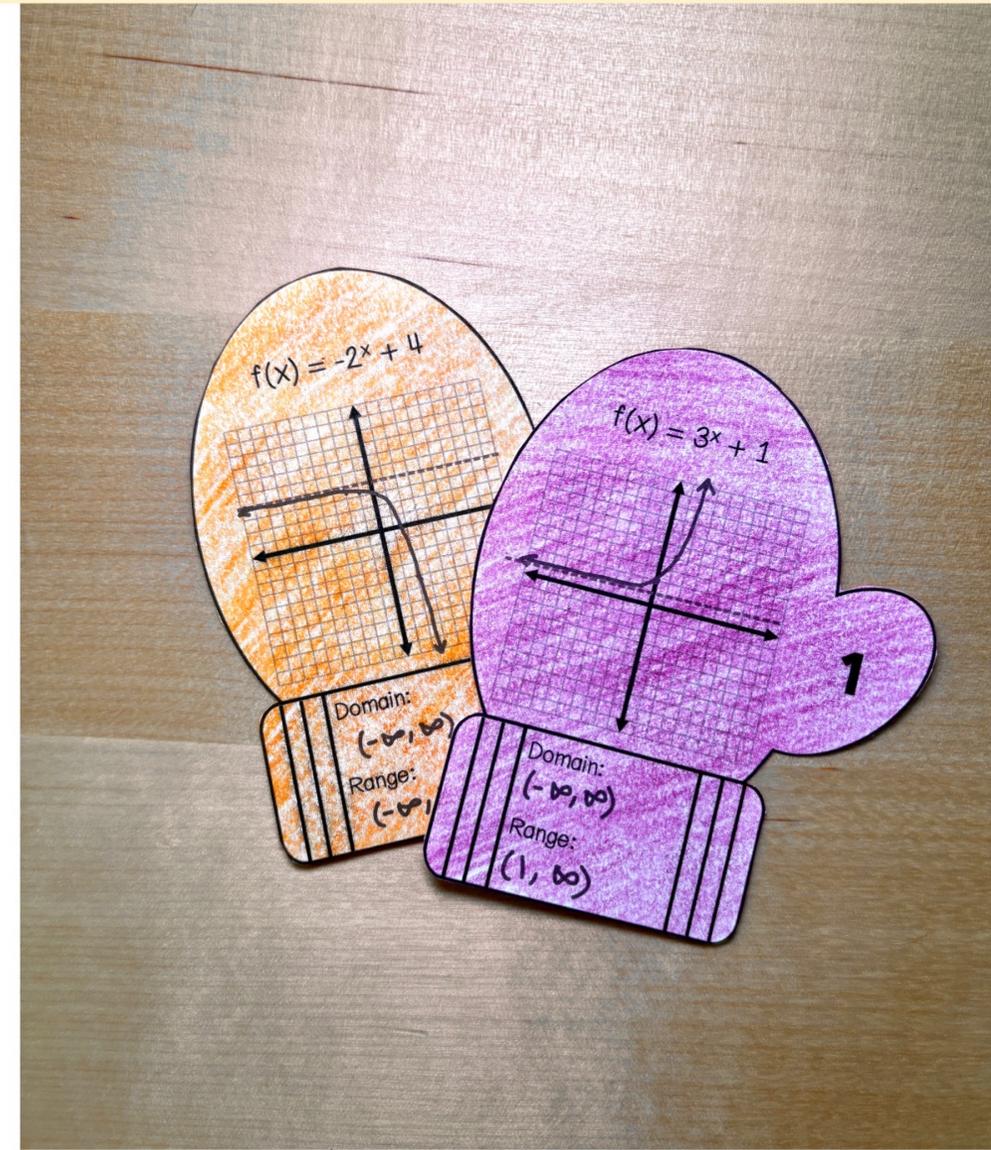
VA SOLs: F.All.7aeghi



Graphing Transformations of Exponential Functions Bulletin Board

skills included:

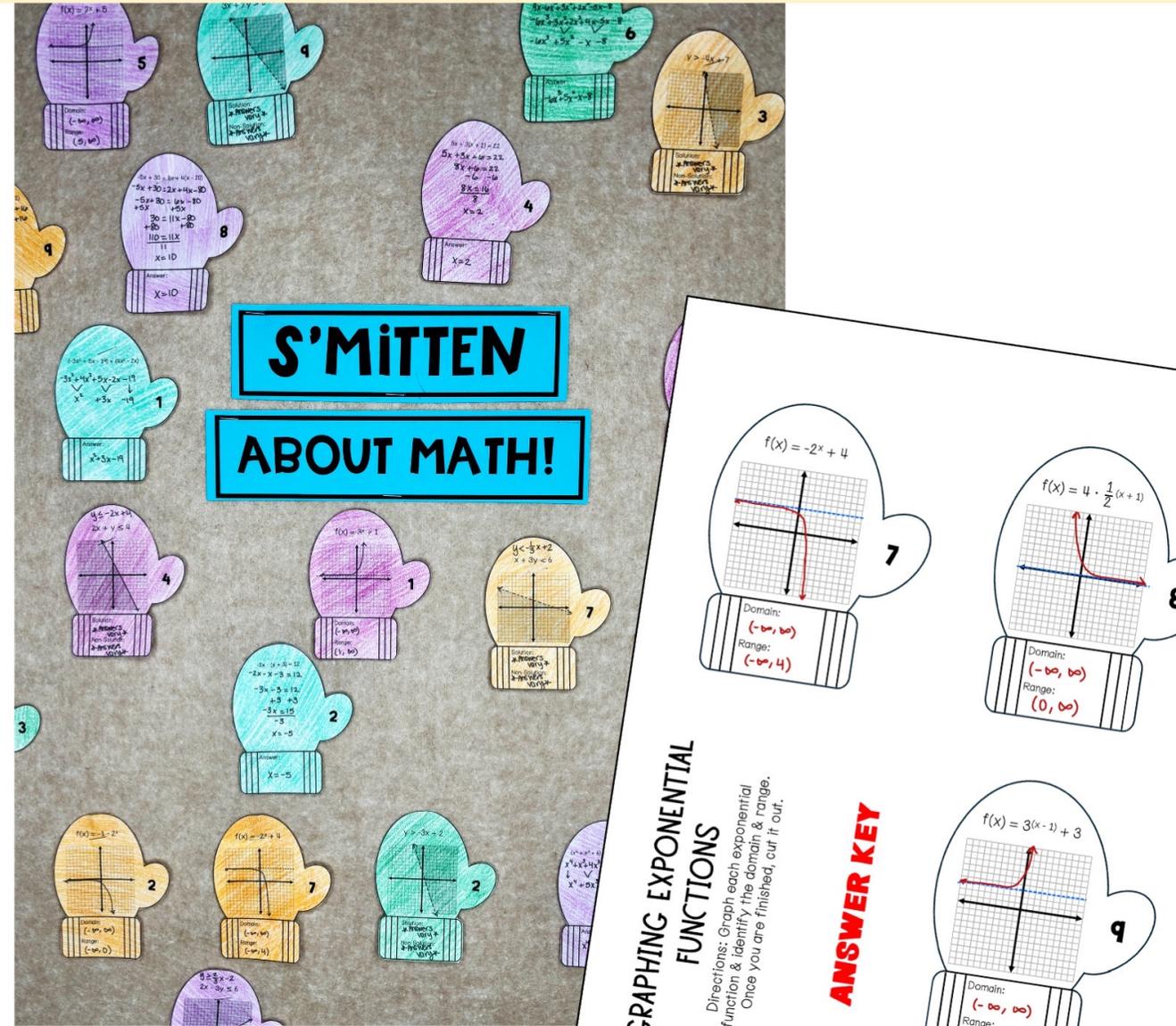
- Identifying transformations of exponential functions
- Graphing exponential functions
- Horizontal asymptotes
- Identifying domain & range from a graph



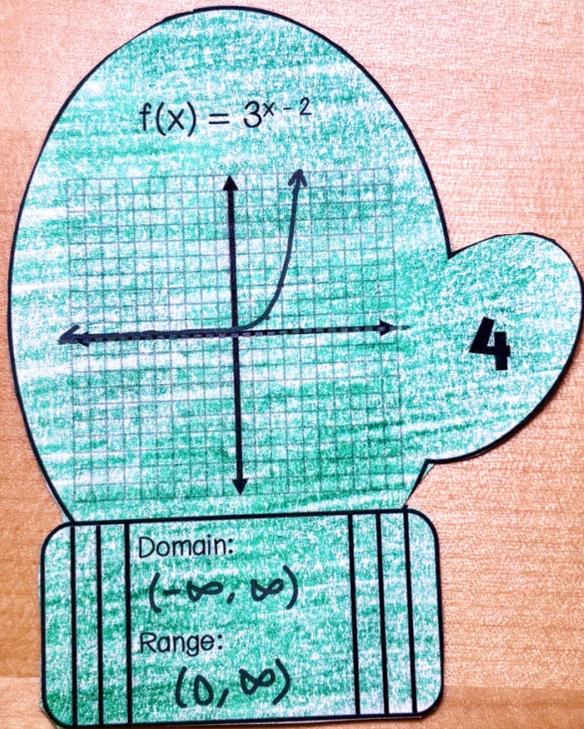
Graphing Transformations of Exponential Functions Bulletin Board

Once all the student pieces are finished, it will create one large, colorful bulletin board display.

Students, Teachers, Staff and Parents will love looking at the display of your students' work on your classroom wall!



how to use this resource



- Print or make copies – I print on white so my students can decorate each piece how they want.
- Students will answer the questions on each mitten (3 per page).
- Collect all the students' pieces & put it up on the bulletin board to create one big, winter mitten design with the sign.

You may also enjoy ...

GRAPHING EXPONENTIAL FUNCTIONS

Algebra 2 Guided Notes

Steps for Graphing Exponential Functions

Step 1: Identify the value of your base to determine if your function represents growth or decay.

Step 2: Create a table of values.

Step 3: Plot your points on the graph. Connect them with a smooth curve.

Directions: Graph each exponential function and identify the characteristics.

x	y
-1	1/3
0	1
1	3

Y-Intercept: (0,1)
Domain: all real numbers
Range: y > 0

Y-Intercept: (0,1)

Answer key included

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TRANSFORMATIONS OF EXPONENTIAL FUNCTIONS

Algebra 2 Guided Notes

TRANSFORMATIONS OF EXPONENTIAL FUNCTIONS

Steps for Graphing Transformations of Exponential Functions

Step 1: Identify the parent function and its base.

Step 2: Identify the transformations of the given function.

Step 3: Create a table of values.

Step 4: Plot the points on the graph and connect them with a smooth curve.

Directions: Graph each exponential function and identify the characteristics.

x	-2	-1	0	1	2
y	1/4	1/2	1	2	4

Parent Function: $y = 4^x$

Y-Intercept: (0, -2) Asymptote: $y = -3$

Transformation(s): vertical translation down 3 units

Domain: all real numbers

Answer key included

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EXPONENTIAL & LOGARITHMIC FUNCTIONS

Algebra 2 Guided Notes

EXPONENTIAL FUNCTIONS WITH BASE E

The Natural Base e

e is on the number line at approximately 2.71828182846.

e is on the number line at approximately 2.71828182846.

Exponential growth function: $f(x) = e^x$

Exponential decay function: $f(x) = e^{-x}$

Answer key included

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Free Algebra Activities!

When you join my email list, I'll send you a free Algebra print & digital self-checking activities. There is an Algebra 1 and Algebra 2 version!

You'll also be getting exclusive freebies and content to help your Algebra students be successful this school year!

check it out!

The collage features several algebra worksheets. One prominent worksheet is titled "Rational Expression Operations - Addition & Subtraction" and includes a self-checking activity. The activity consists of a grid of questions and answers, with a path of colored lines (teal, yellow, purple) connecting the correct answers. The questions and answers are as follows:

#	Question	Answer	Type the matching question numbers here
1	$\frac{5}{x} + \frac{3}{x+1}$	$\frac{2x+1}{x+2}$	
2	$\frac{2}{x+4} - \frac{x^2}{x^2-16}$	$-\frac{1}{x^2-1}$	
3	$\frac{x+2}{x^2+4x+4} + \frac{2x}{x+2}$	$\frac{2x^2+2x+5}{x^2+x-2}$	
4	$\frac{x}{x-2} + \frac{3}{x-1}$	$\frac{-x^2+2x-8}{x^2-16}$	
5	$\frac{x}{4x+8} - \frac{1}{x^2+2x}$	$\frac{8x+5}{x^2+1}$	
6	$\frac{x+2}{x-1} + \frac{x-1}{x+2}$	$\frac{x^2-3x+7}{x^2-4}$	
7	$\frac{2x+1}{x^2-4} + \frac{x-3}{x+2}$	$\frac{x^2+2x-6}{x^2-3x+2}$	
8	$\frac{x^2+2x}{x^2-1} - \frac{x+1}{x-1}$	$\frac{x-2}{4x}$	

Other worksheets visible in the collage include "Answer Key" for "ADDING & SUBTRACTING RATIONAL EXPRESSIONS", "SOLVING SYSTEMS OF EQUATIONS", and "MULTIPLYING & DIVIDING RATIONAL EXPRESSIONS".



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 too!

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