

Why do you need this?

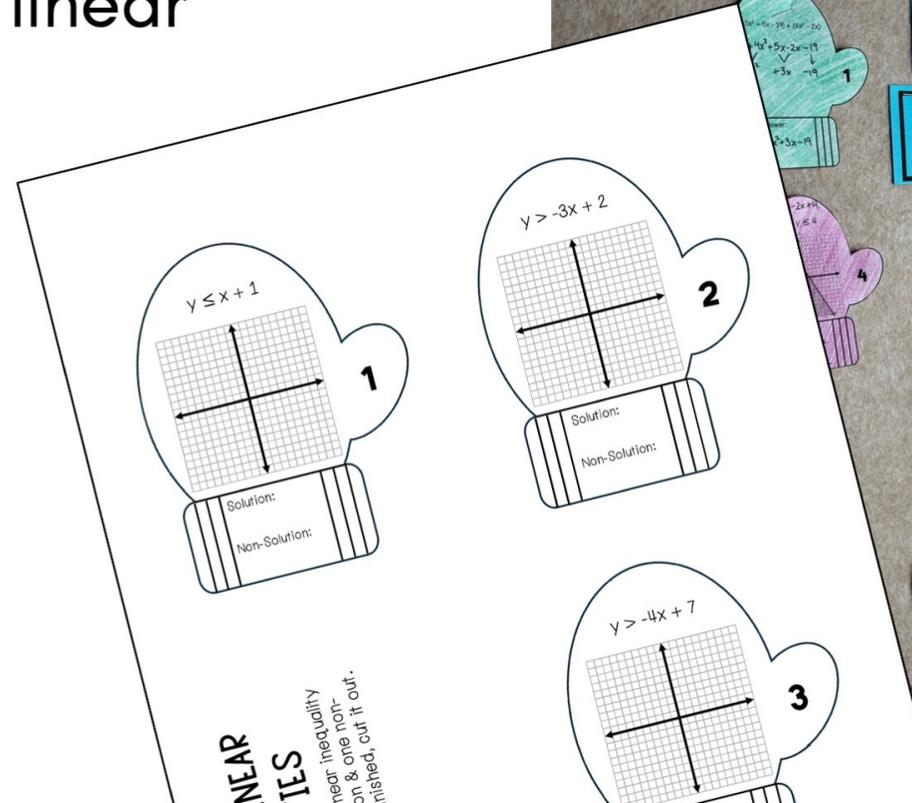
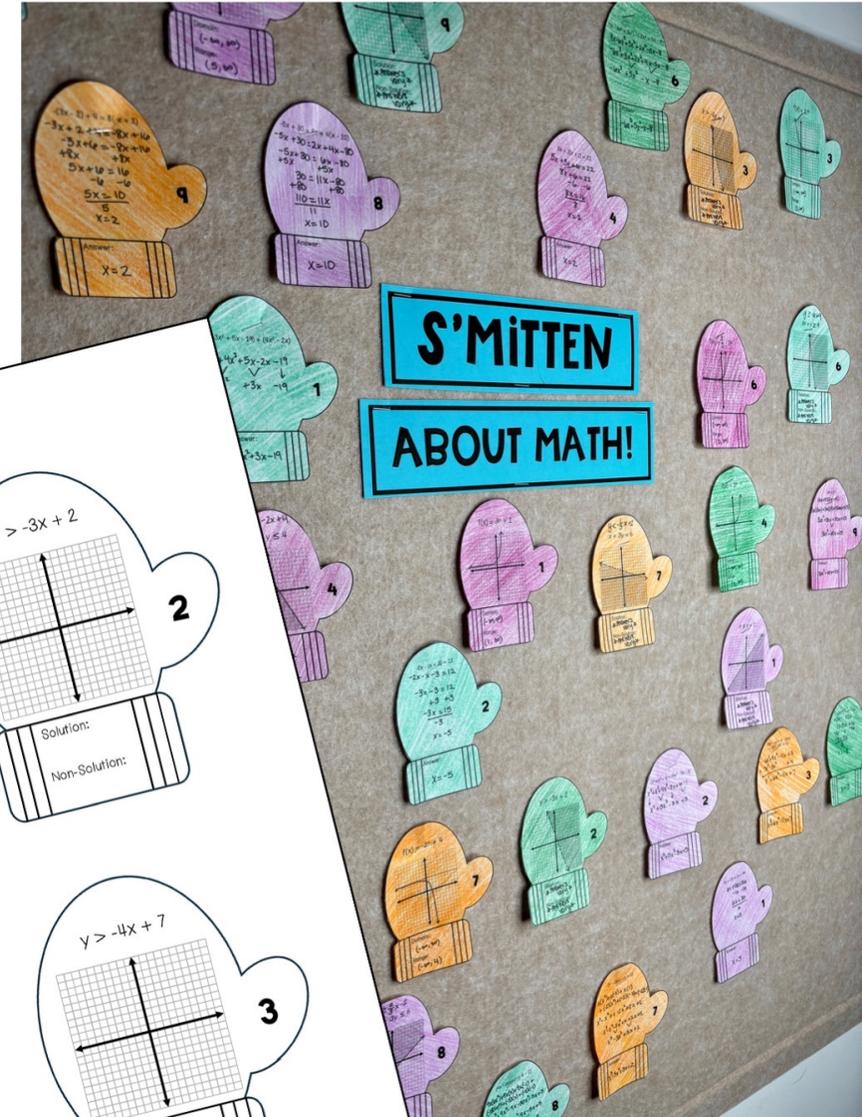
Graphing Linear Inequalities Mittens Bulletin Board



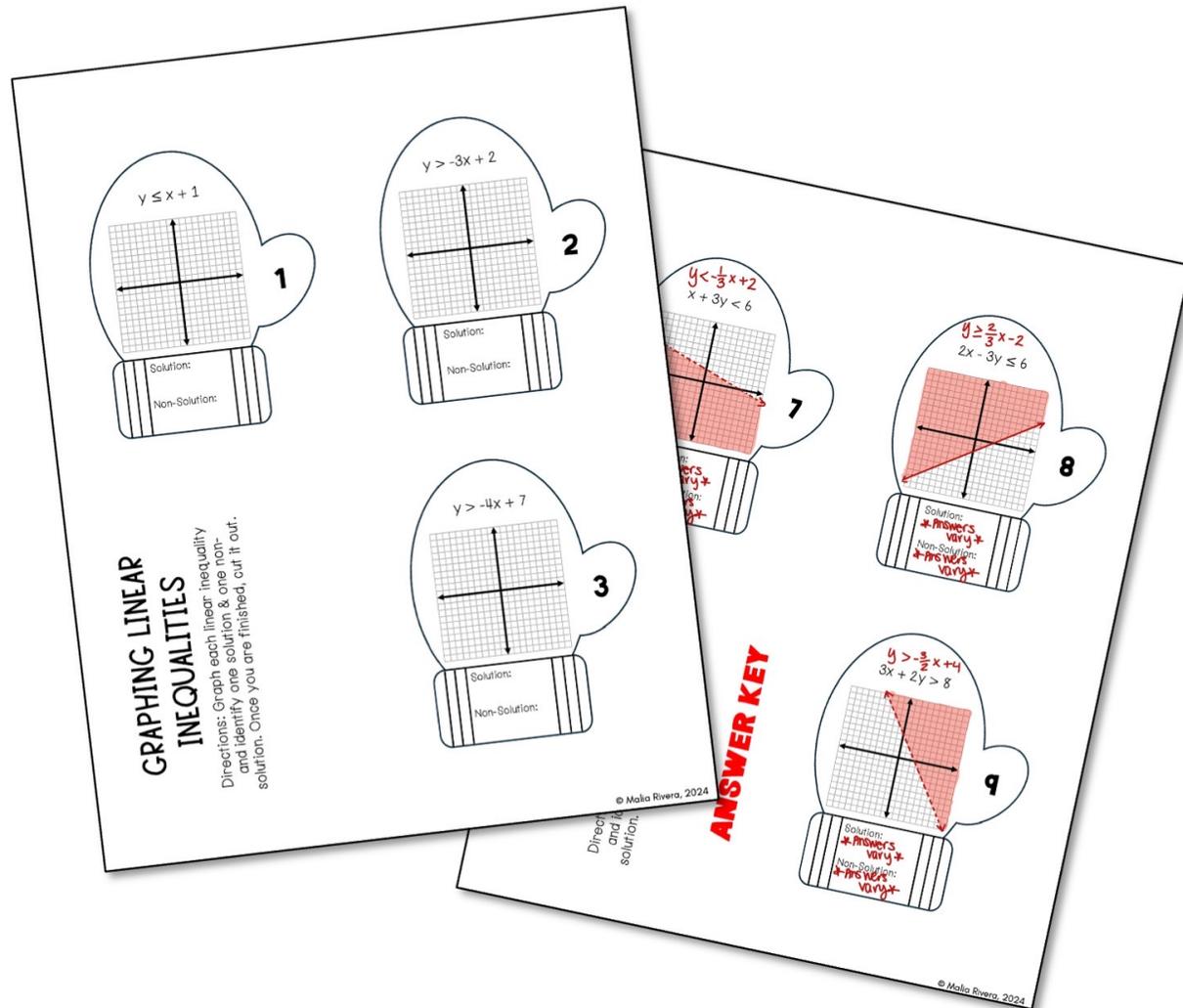
New & engaging way to help students practice graphing linear inequalities in 2 variables



Unique, collaborative way to display student work



Graphing Linear Inequalities Mittens includes:



✓ 3 blank tessellation pages per student

✓ 9 questions total

✓ an answer key

✓ teacher instructions

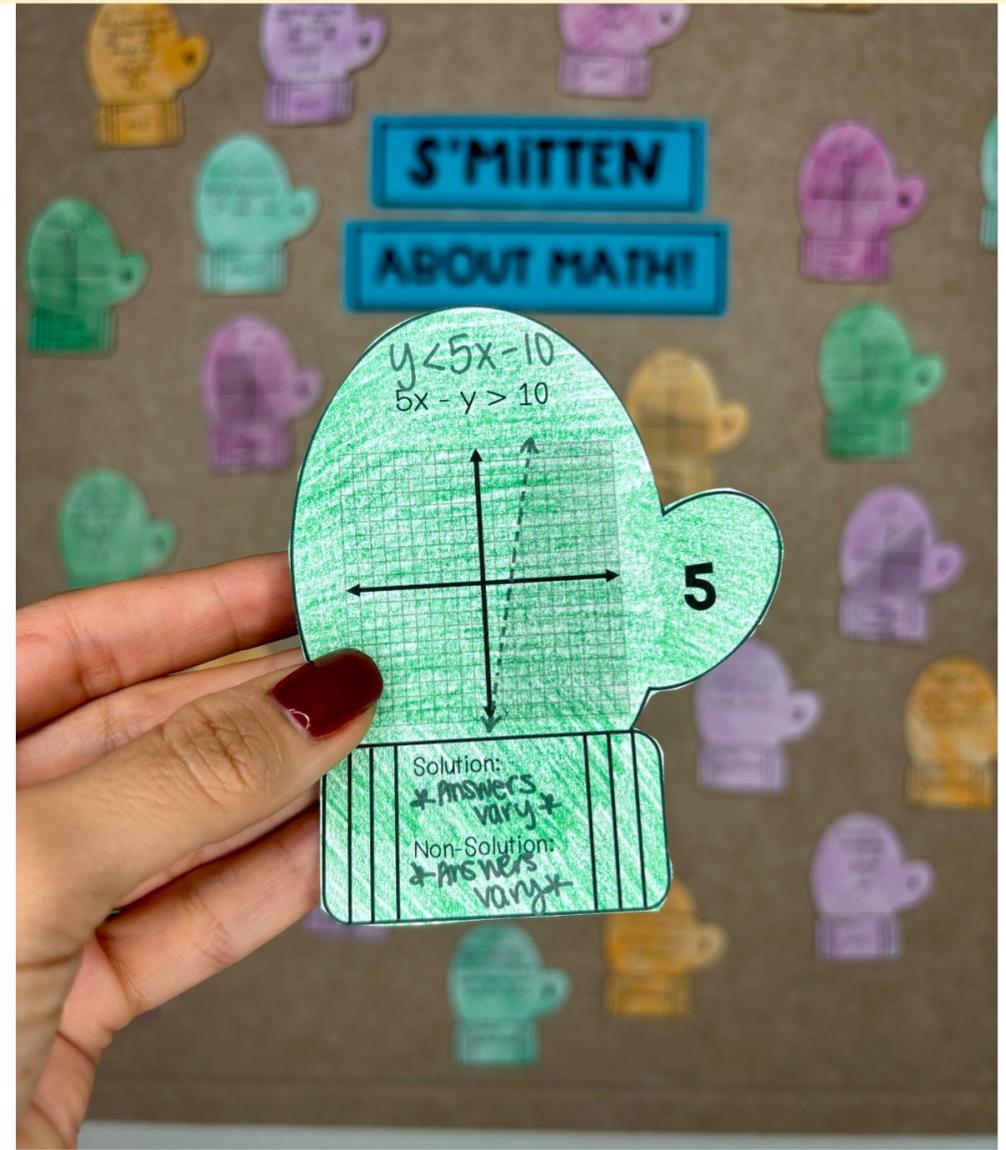
Graphing Linear Inequalities Bulletin Board

standards covered:

CCSS: HSA-REI.D.12

TEKs: A1.3.D

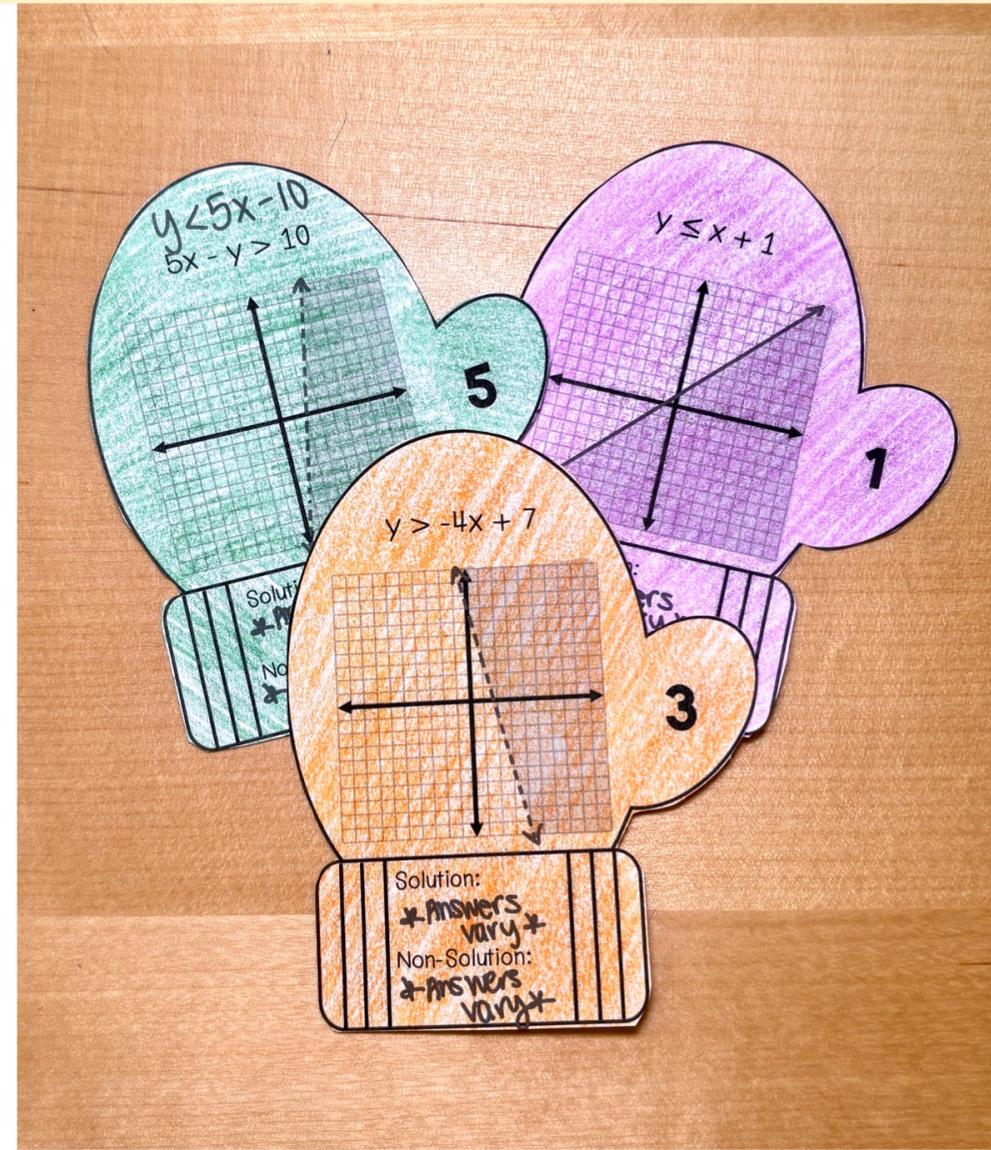
VA SOLs: EI.A.5.b



Graphing Linear Inequalities Bulletin Board

skills included:

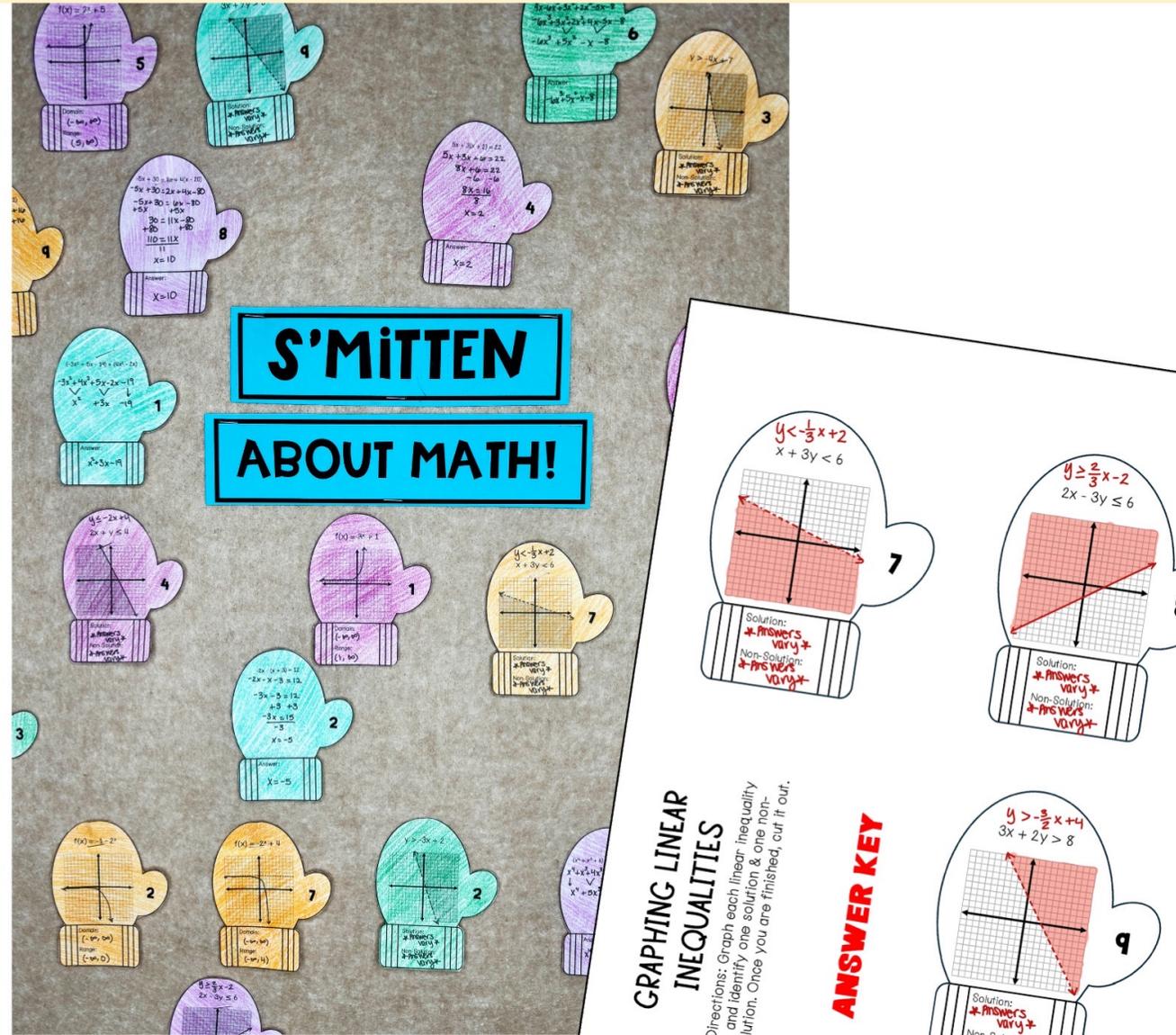
- Graphing a linear equation
- Converting the function form to graph
- Determining the line type
- Shading the solution set
- Identifying a solution & non-solution



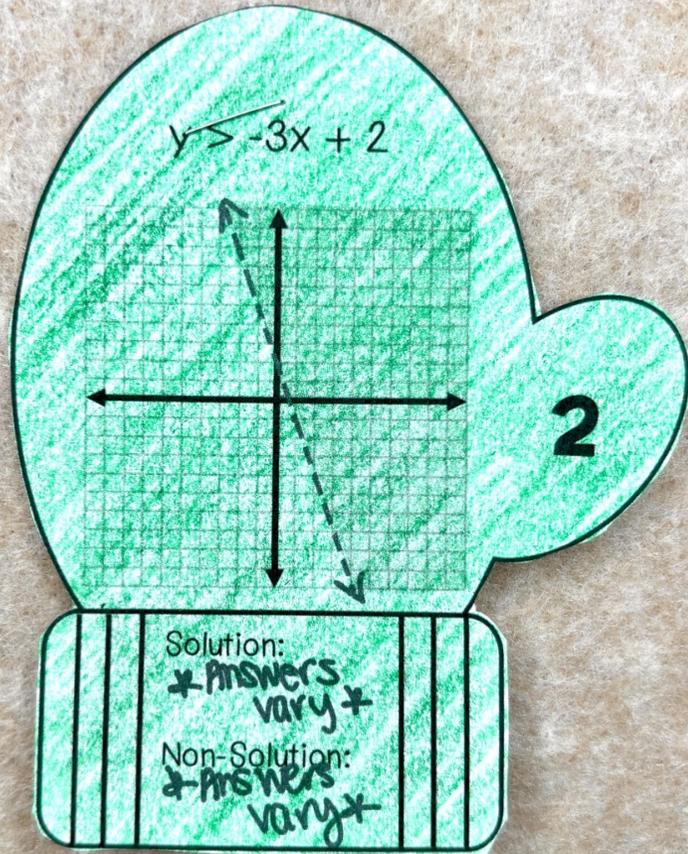
Graphing Linear Inequalities Bulletin Board

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 LINEAR INEQUALITIES

drag & drop the shaded sections over the graph to show the solution set.

$$y > x + 3$$

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Math with Ms. Rivera

LINEAR & SYSTEMS OF INEQUALITIES

Digital & Print Activity Pack

4 Activities

Period: _____

Linear Inequality Graphs Cut & Paste Activity

Directions: Cut out the linear inequality from the next page and paste it under the correct graph.

1. 2. 3. 4.

5. 6. 7.

SOLUTIONS TO SYSTEMS OF INEQUALITIES

$$y \geq \frac{1}{2}x - 4$$
$$y > -\frac{1}{3}x + 1$$

Locate the correct graph that matches the solution set of the system of inequalities. Then drag it to where it would go on the graph.

Identify one solution to the system:

Type Here

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Math with Ms. Rivera

MATCHING LINEAR INEQUALITY GRAPHS

Name: _____ Period: _____ Date: _____

Linear Inequality Graphs Matching Activity

Directions: Copy the linear inequality from the next slide and paste it under the correct graph.

1. 2. 3. 4.

5. 6. 7. 8.

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Math with Ms. Rivera

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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!

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check it out!

Answer Key
Name: _____ Date: _____
ADDING & SUBTRACTING RATIONAL EXPRESSIONS
Directions: Add or subtract the rational expressions. Show your work.

Solving Systems of Equations
Date: _____
Solve systems of equations using substitution or elimination. Check your solution.
2. $2x - 6y = -18$
 $x = 3y - 9$
4. $2x + 6y = -1$
 $y = -2x + 3$

Answer Key
Solving Systems of Equations
Date: _____
Solve systems of equations using substitution or elimination. Check your solution.
2. $2x - 6y = -18$
 $x = 3y - 9$
 $2(3y - 9) - 4y = -18$
 $6y - 18 - 4y = -18$
 $-18 = -18$
infinitely many solutions
 $y = 2 + 5$
 $y = 7$
 $(2, 7)$

Rational Expression Operations - Addition & Subtraction
Directions: Answer each question and type the question number with the matching answer in the answer column to the right.

#	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	$\frac{x^2+2x}{x^2-1} - \frac{x+1}{x-1}$	$\frac{x-2}{4x}$	

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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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