

keep scrolling to
get a sneak peek!

If you're looking for a new way to get your students practicing math, this is the resource for you! With this **discriminant** collaborative activity, students will find and interpret the **number of solutions of the quadratic functions** on each dreidel piece. Assembling all the students' pieces creates one large holiday display on your classroom bulletin board.

INTERPRETING THE DISCRIMINANT

Dancing Dreidels



student work bulletin board

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Why do you need this?

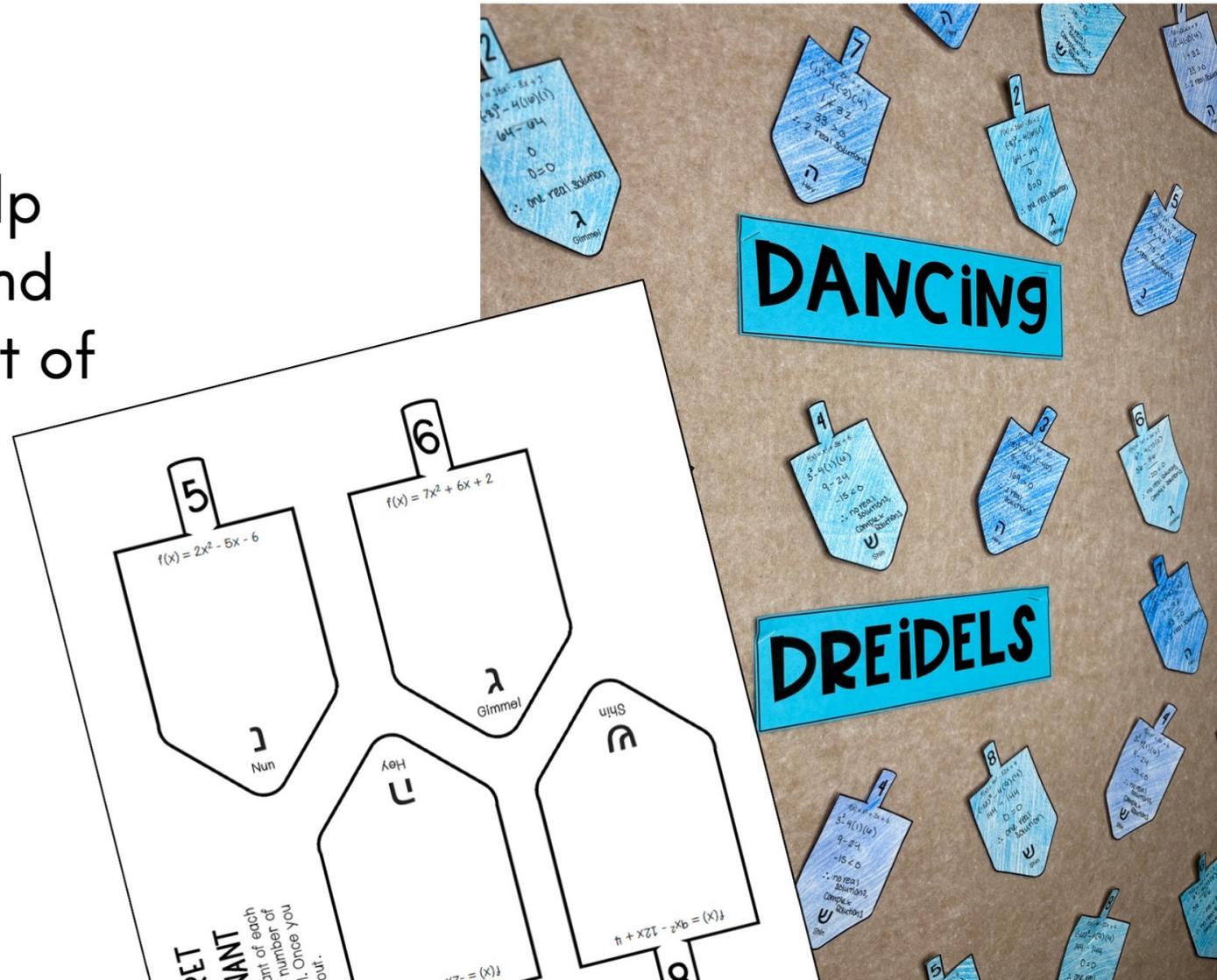
Finding & Interpreting the Discriminant Holiday Bulletin Board



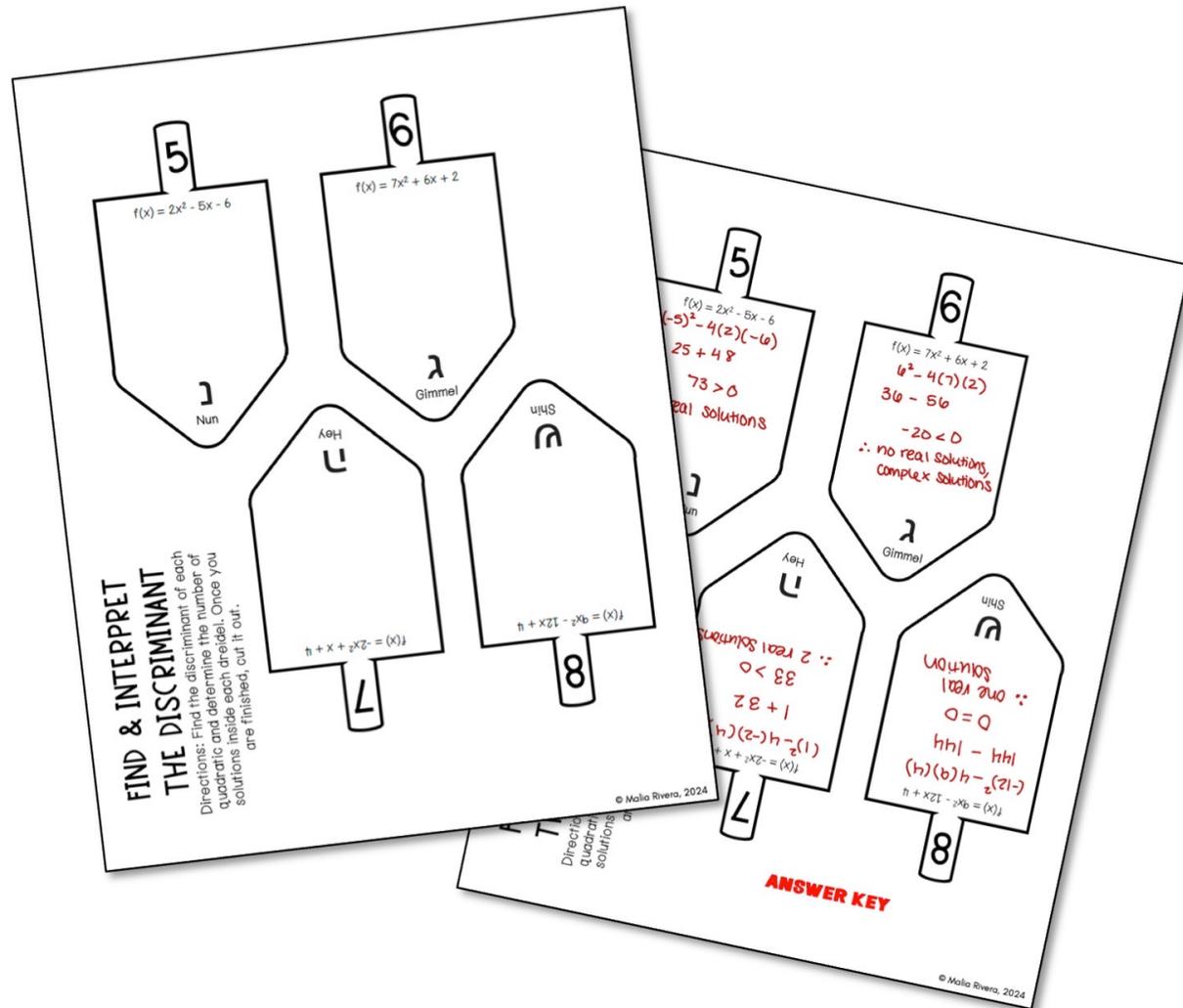
New & engaging way to help students practice finding and interpreting the discriminant of quadratic functions



Unique, collaborative way to display student work



Interpreting the Discriminant Dreidel Bulletin Board *includes:*



✓ 2 blank dreidel pages per student

✓ 8 questions total

✓ Editable version

✓ an answer key

✓ teacher instructions

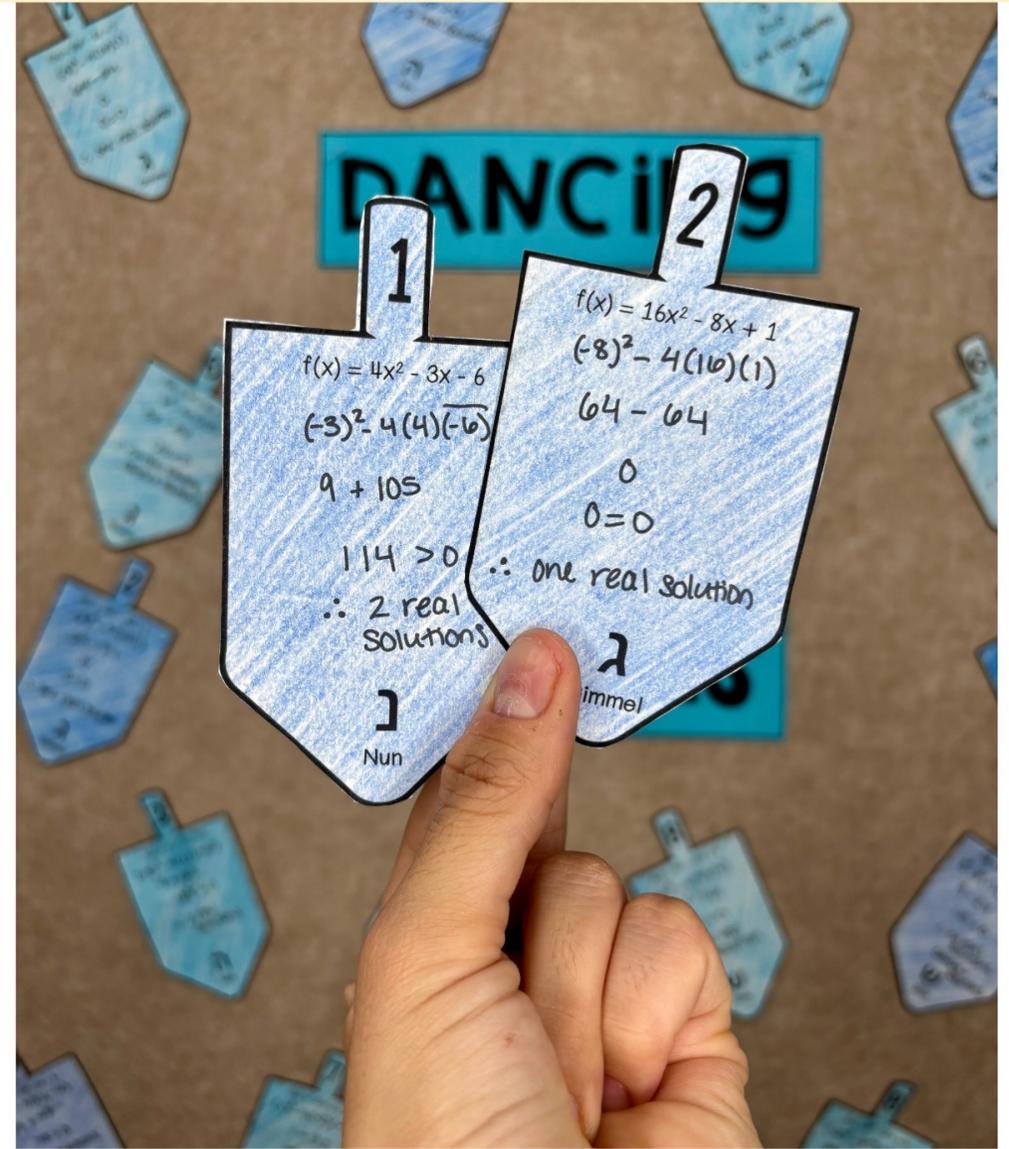
Find & Interpret the Discriminant Dreidel Bulletin Board

standards covered:

CCSS: HSA-REI.B.4b

TEKs: A2.4.F

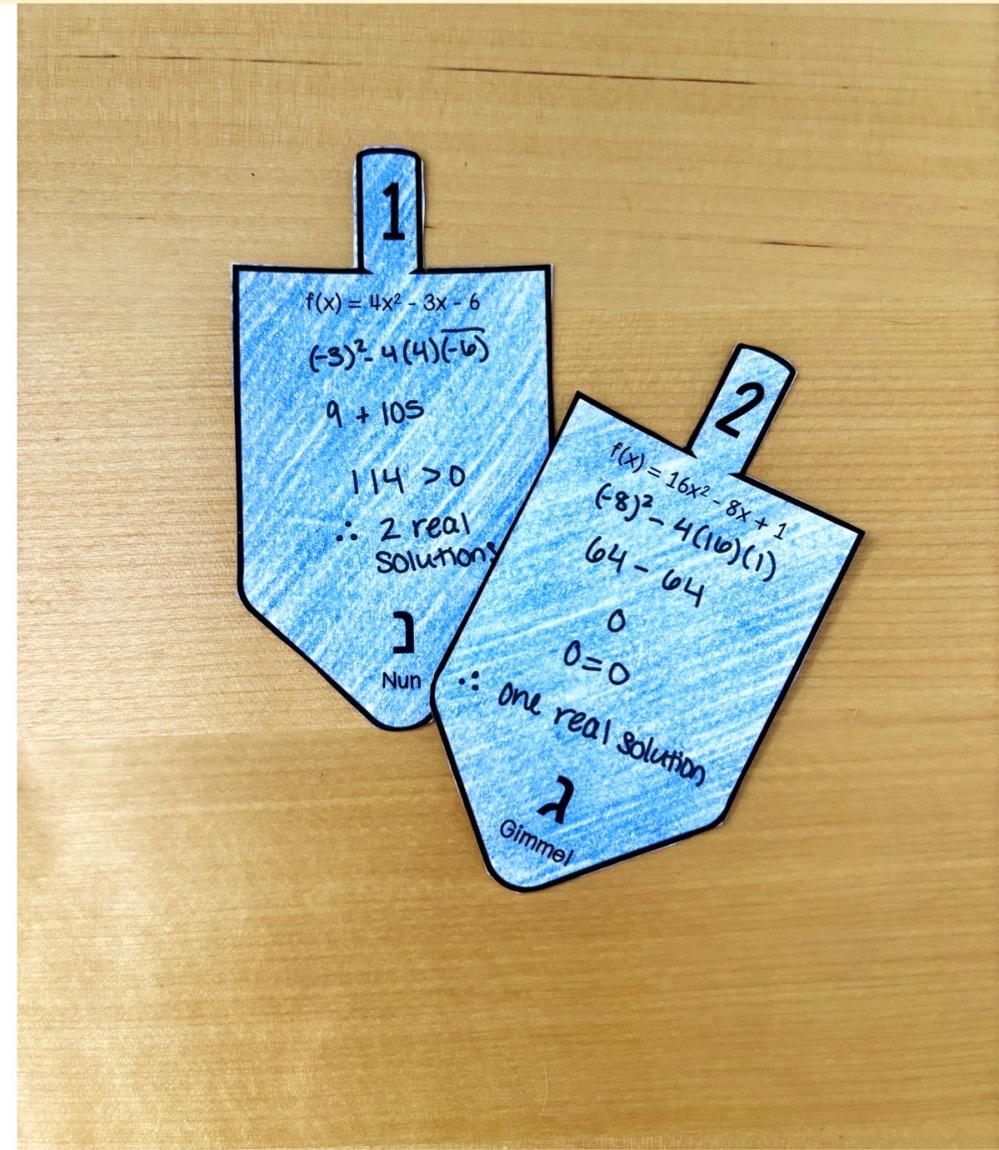
VA SOLs: EI.A11.3.b



Find & Interpret the Discriminant Dreidel Bulletin Board

skills included:

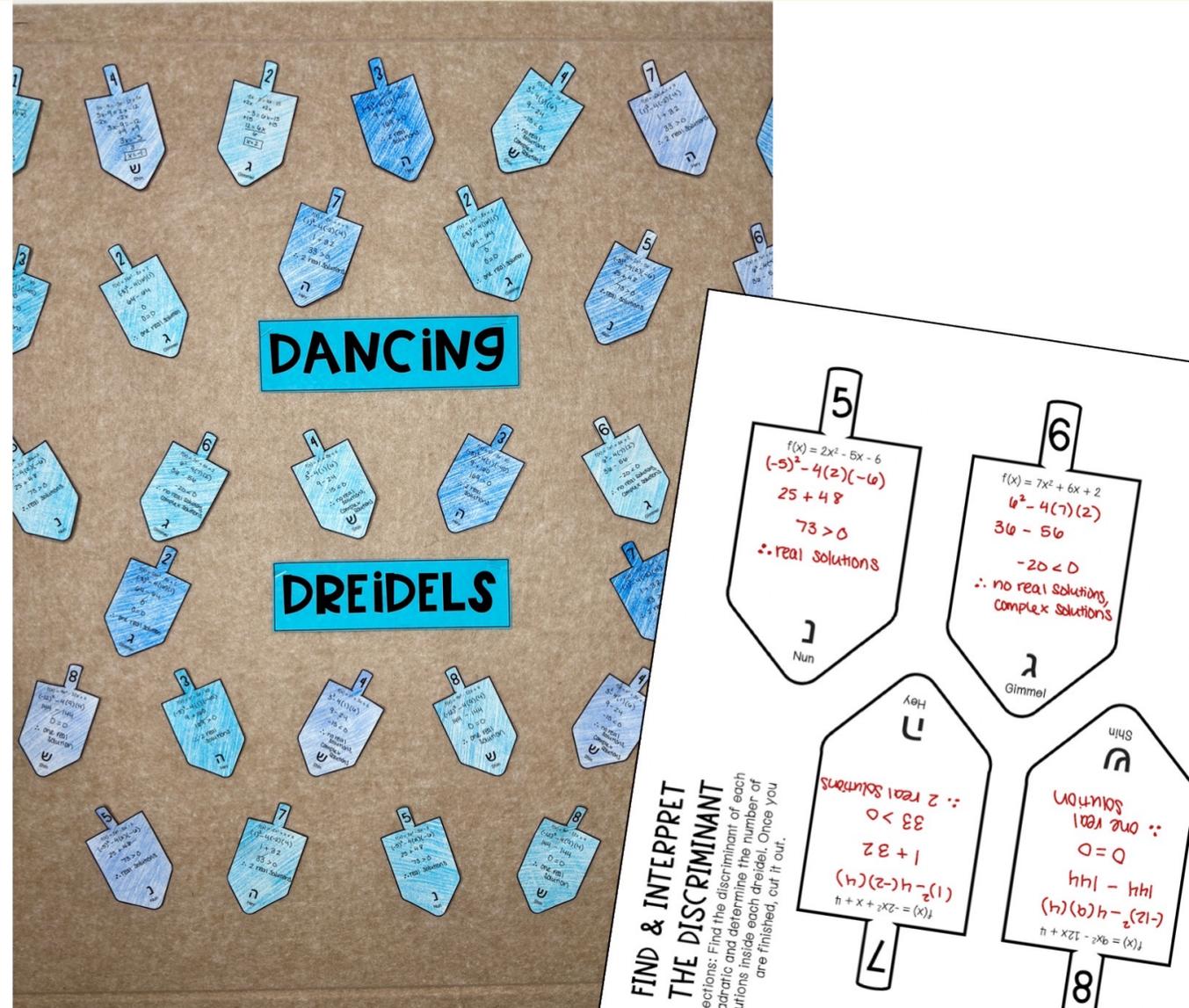
- Find the discriminant from a standard form quadratic
- Identify the number of solutions based on the discriminant



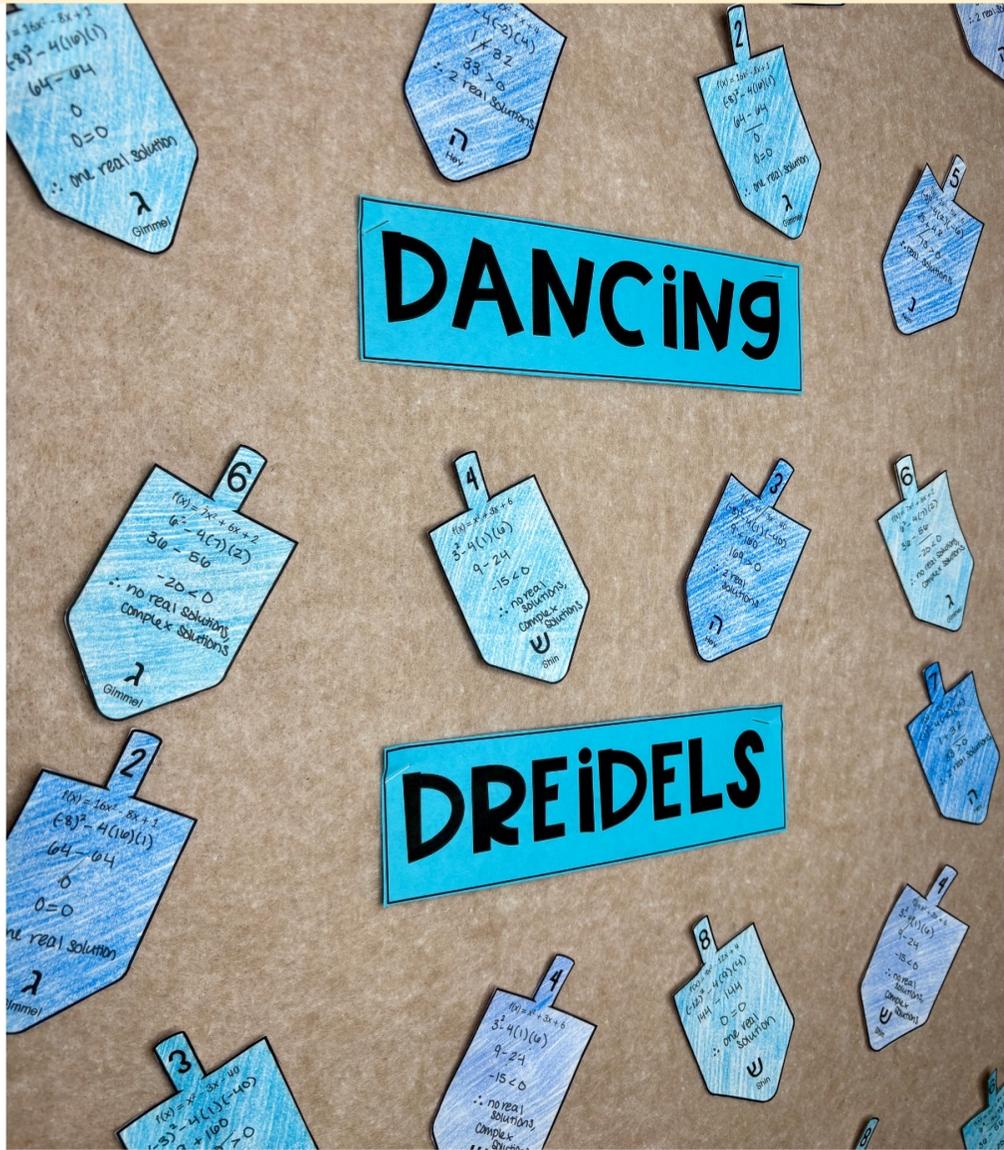
Find & Interpret the Discriminant Dreidel Bulletin Board

Once all the student pieces are finished, it will create one large, festive holiday 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 dreidel.
- Collect all the students' pieces & put it up on the bulletin board to create one big, festive Hanukkah dreidel design

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Answer key included

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QUADRATICS & COMPLEX NUMBERS

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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.

ANSWER KEY
Date: _____
SOLVING SYSTEMS OF EQUATIONS
Solve systems of equations using substitution or elimination. Check your solution.

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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