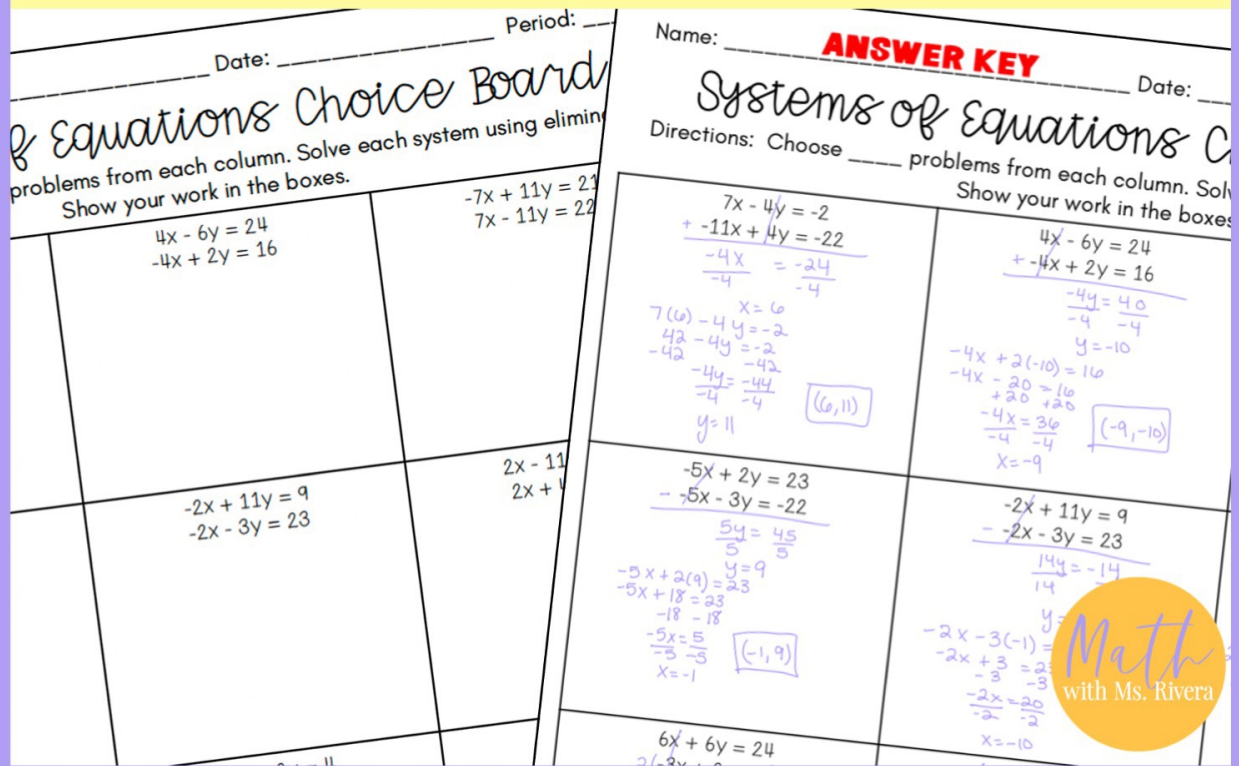
keep scrolling to get a sneak peek!

Help your 8th Grade/Algebra 1 students practice **solving systems of equations by elimination**. Your students will benefit from being given choice when it comes to how they want to practice math!

SYSTEMS OF EQUATIONS BY ELIMINATION

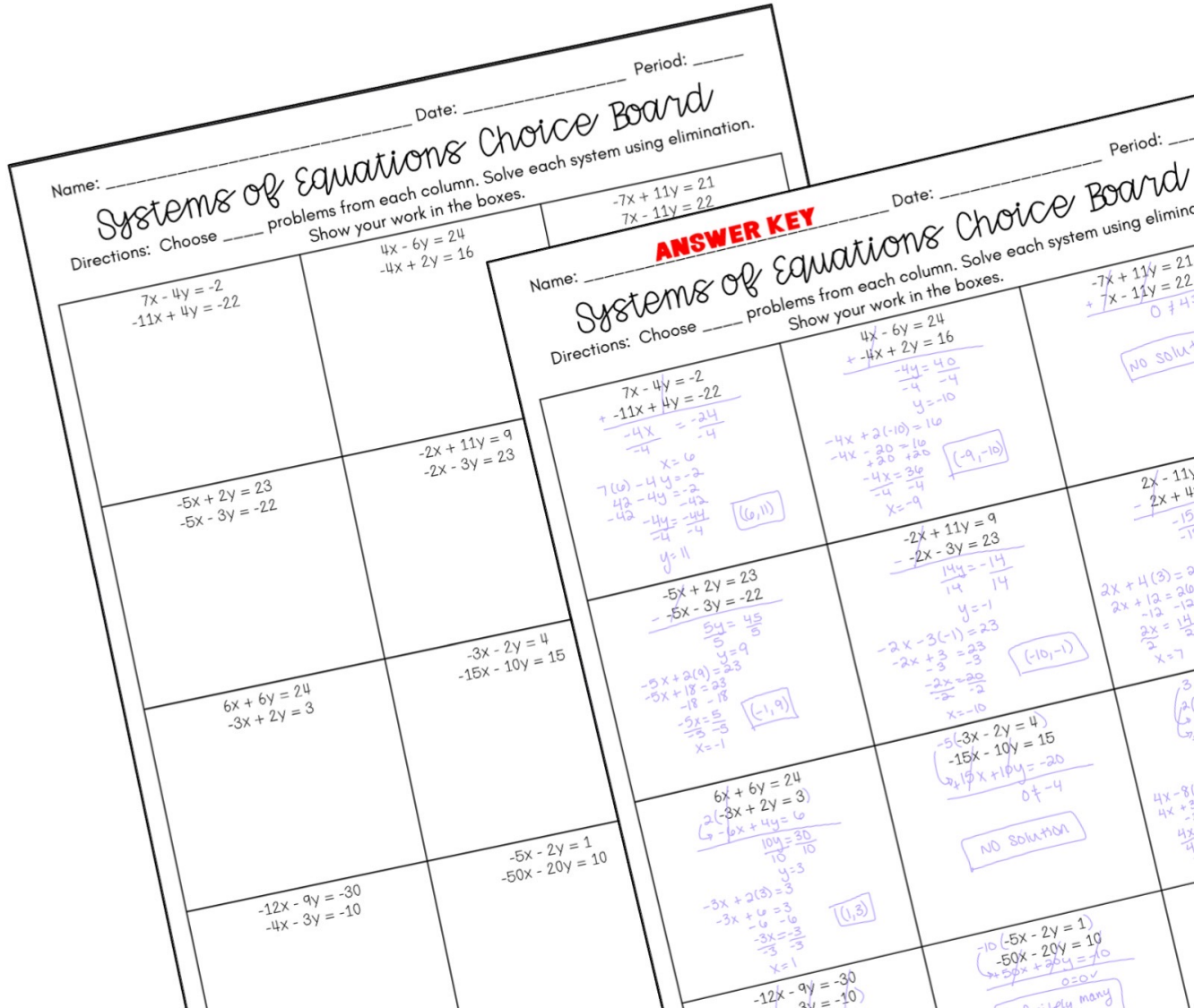
Choice Board



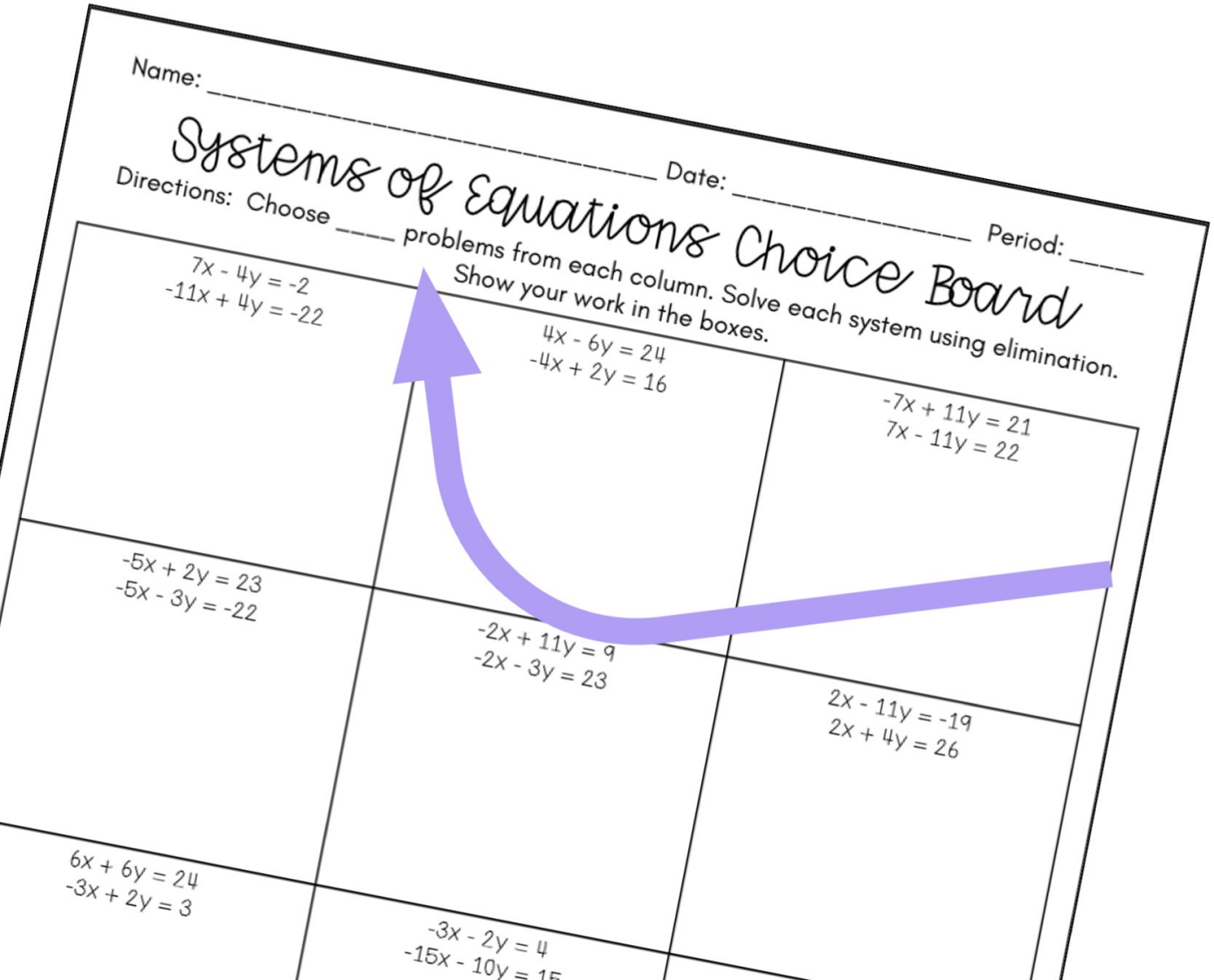
Systems of Equations by Elimination Choice Board

Why do you need this?

- Allowing student choice in how they practice will encourage them to do the practice!
- You can differentiate by the number of problems required of particular students.



Systems of Equations by Elimination Choice Board *includes*:



✅ printable worksheet

✅ a detailed answer key

✅ 3 columns with 4 questions in each - 12 question total

✅ Spot to assign how many problems students need to complete

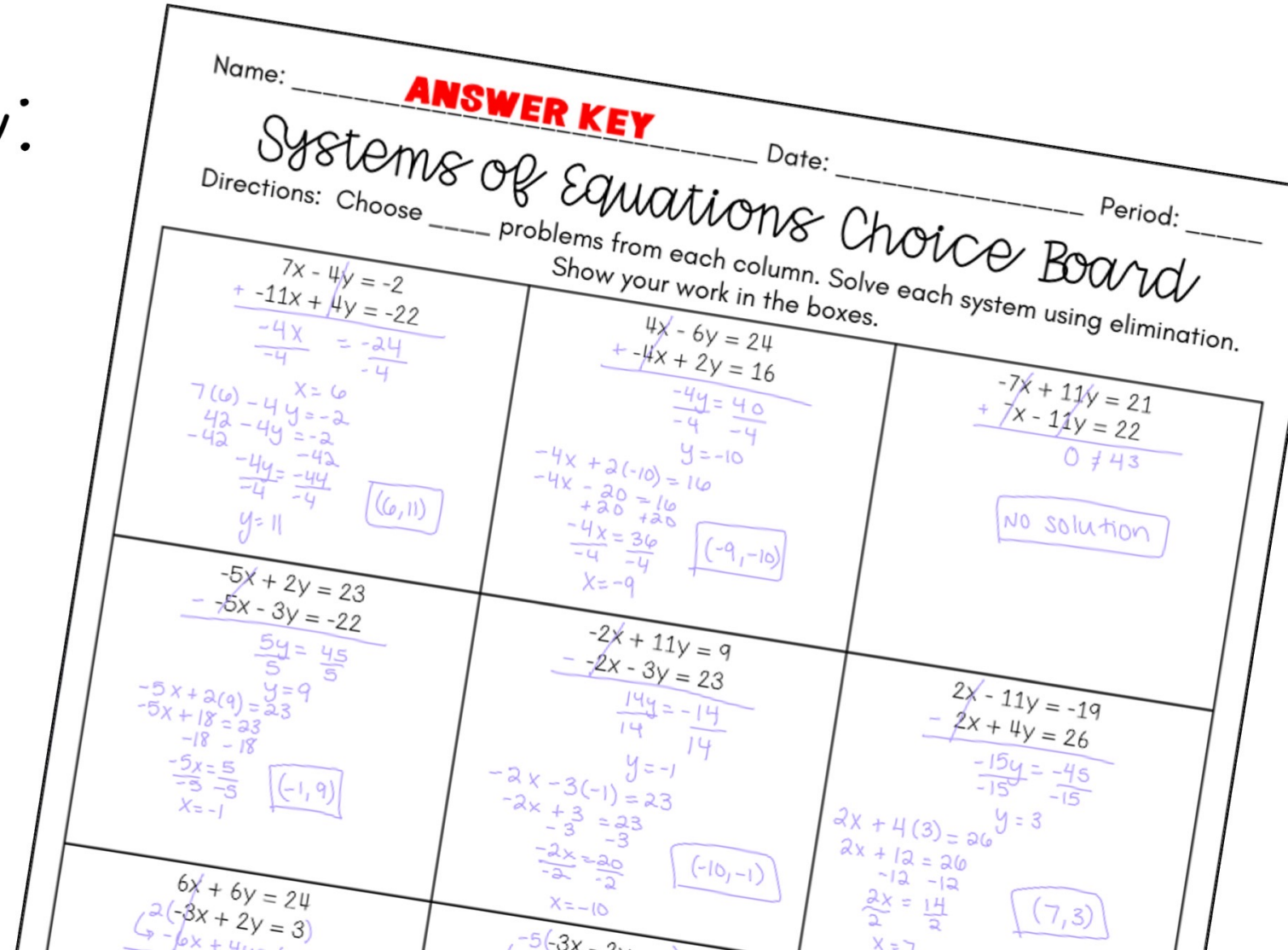
Systems of Equations by Elimination Choice Board

standards covered:

CCSS: 8.EE.C.8, HSA-REI.C.6

TEKs: A1.5.C

VA SOLs: EI.A.4.d


Name: ANSWER KEY Date: Period:

Systems of Equations Choice Board

Directions: Choose ____ problems from each column. Solve each system using elimination. Show your work in the boxes.

$7x - 4y = -2$
$+ -11x + 4y = -22$
$-4x = -24$
$x = 6$
$7(6) - 4y = -2$
$42 - 4y = -2$
$-42 \quad -42$
$-4y = -44$
$y = 11$
(6, 11)

$4x - 6y = 24$
$+ -4x + 2y = 16$
$-4y = 40$
$y = -10$
$-4x + 2(-10) = 16$
$-4x - 20 = 16$
$+20 \quad +20$
$-4x = 36$
$x = -9$
(-9, -10)

$-7x + 11y = 21$
$+ 7x - 11y = 22$
$0 \neq 43$
NO solution

$-5x + 2y = 23$
$- -5x - 3y = -22$
$5y = 45$
$y = 9$
$-5x + 2(9) = 23$
$-5x + 18 = 23$
$-18 \quad -18$
$-5x = 5$
$x = -1$
(-1, 9)

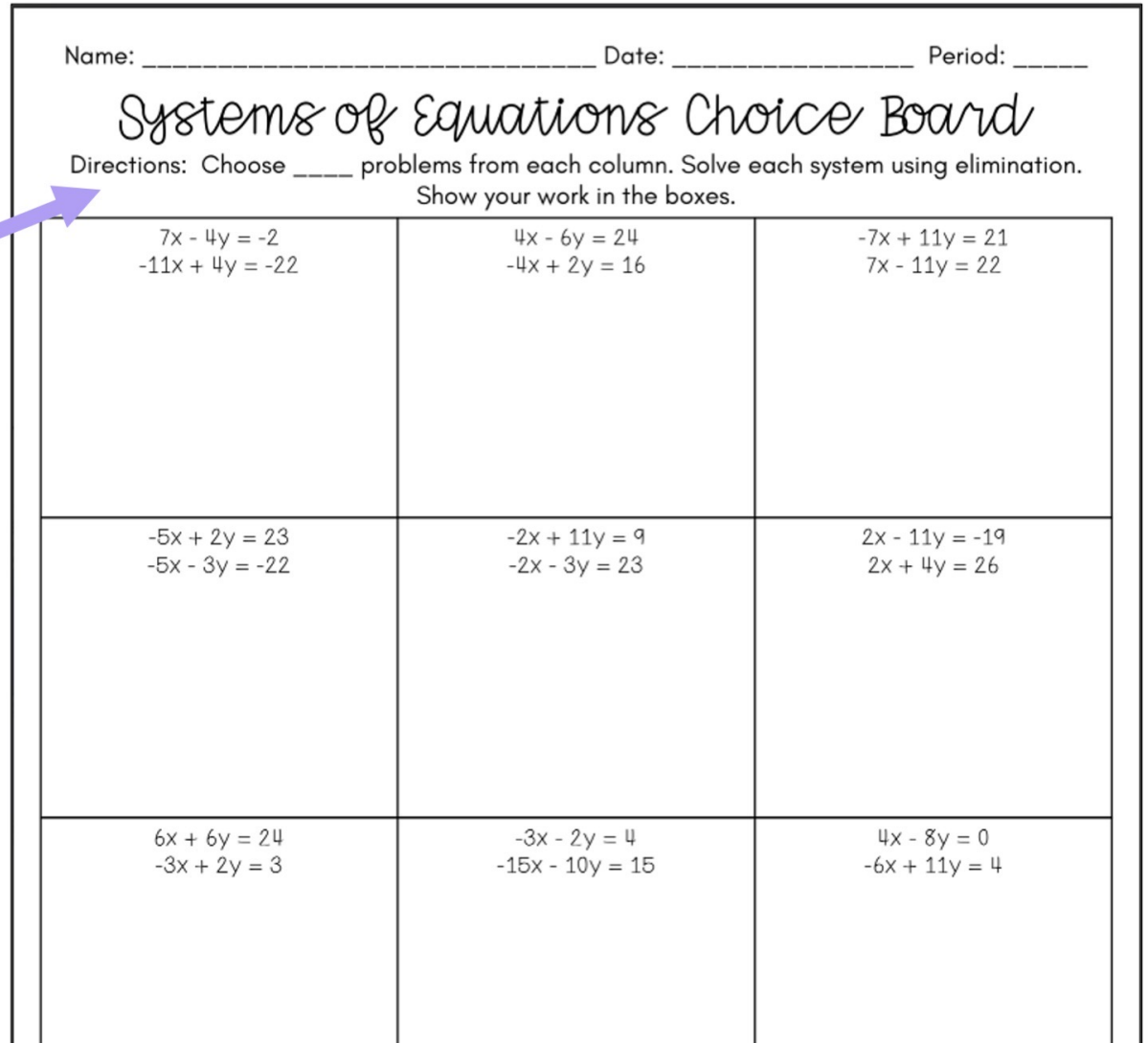
$-2x + 11y = 9$
$- -2x - 3y = 23$
$14y = -14$
$y = -1$
$-2x - 3(-1) = 23$
$-2x + 3 = 23$
$-3 \quad -3$
$-2x = 20$
$x = -10$
(-10, -1)

$2x - 11y = -19$
$- 2x + 4y = 26$
$-15y = -45$
$y = 3$
$2x + 4(3) = 26$
$2x + 12 = 26$
$-12 \quad -12$
$2x = 14$
$x = 7$
(7, 3)

$6x + 6y = 24$
$2(-3x + 2y = 3)$

how the choice board resource works

Assign students the number of problems they need to complete from each column.



Name: _____ Date: _____ Period: _____

Systems of Equations Choice Board

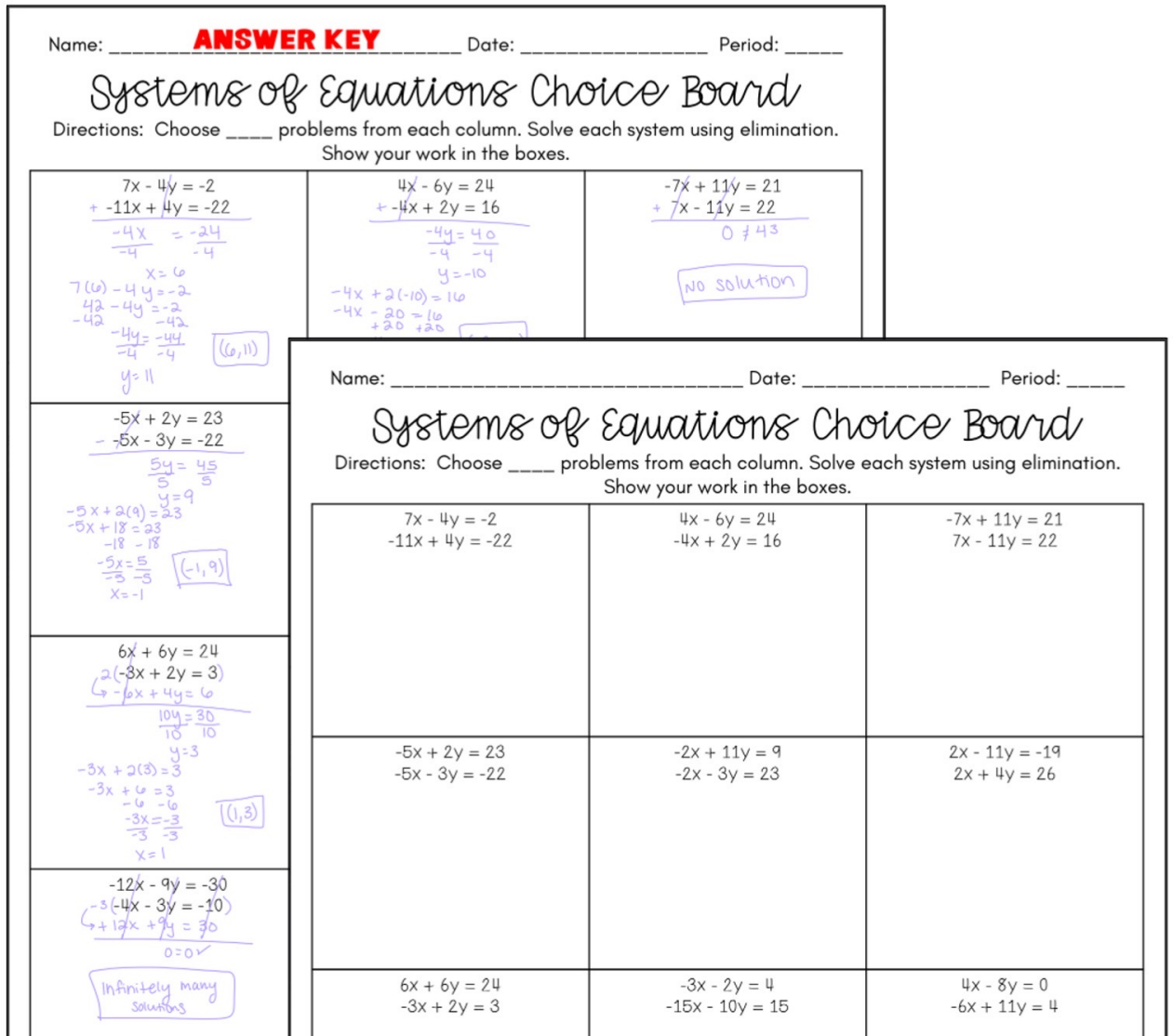
Directions: Choose ____ problems from each column. Solve each system using elimination. Show your work in the boxes.

$7x - 4y = -2$ $-11x + 4y = -22$	$4x - 6y = 24$ $-4x + 2y = 16$	$-7x + 11y = 21$ $7x - 11y = 22$
$-5x + 2y = 23$ $-5x - 3y = -22$	$-2x + 11y = 9$ $-2x - 3y = 23$	$2x - 11y = -19$ $2x + 4y = 26$
$6x + 6y = 24$ $-3x + 2y = 3$	$-3x - 2y = 4$ $-15x - 10y = 15$	$4x - 8y = 0$ $-6x + 11y = 4$

Differentiate the choice board worksheet by reducing the number of problems assigned to show mastery.

Students can complete the any problems they want to in each column and in any order.

how to use this resource



Name: ANSWER KEY Date: _____ Period: _____

Systems of Equations Choice Board

Directions: Choose ____ problems from each column. Solve each system using elimination. Show your work in the boxes.

7x - 4y = -2 + -11x + 4y = -22 -4x = -24 x = 6 7(6) - 4y = -2 42 - 4y = -2 -42 -42 -4y = -44 y = 11 (6, 11)	4x - 6y = 24 + -4x + 2y = 16 -4y = 40 y = -10 -4x + 2(-10) = 16 -4x - 20 = 16 +20 +20	-7x + 11y = 21 + 7x - 11y = 22 0 ≠ 43 NO solution
-5x + 2y = 23 - -5x - 3y = -22 5y = 45 y = 9 -5x + 2(9) = 23 -5x + 18 = 23 -18 -18 -5x = 5 x = -1 (-1, 9)		
6x + 6y = 24 2(-3x + 2y = 3) -6x + 4y = 6 10y = 30 y = 3 -3x + 2(3) = 3 -3x + 6 = 3 -6 -6 -3x = -3 x = 1 (1, 3)		
-12x - 9y = -30 -3(4x - 3y = -10) +12x + 9y = 30 0 = 0 ✓ Infinitely many solutions		

Name: _____ Date: _____ Period: _____

Systems of Equations Choice Board

Directions: Choose ____ problems from each column. Solve each system using elimination. Show your work in the boxes.

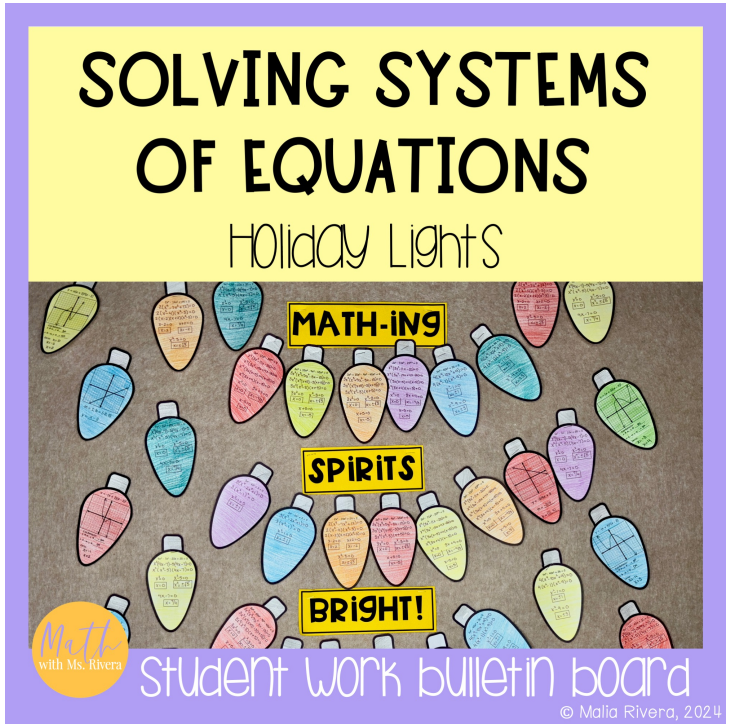
7x - 4y = -2 -11x + 4y = -22	4x - 6y = 24 -4x + 2y = 16	-7x + 11y = 21 7x - 11y = 22
-5x + 2y = 23 -5x - 3y = -22	-2x + 11y = 9 -2x - 3y = 23	2x - 11y = -19 2x + 4y = 26
6x + 6y = 24 -3x + 2y = 3	-3x - 2y = 4 -15x - 10y = 15	4x - 8y = 0 -6x + 11y = 4

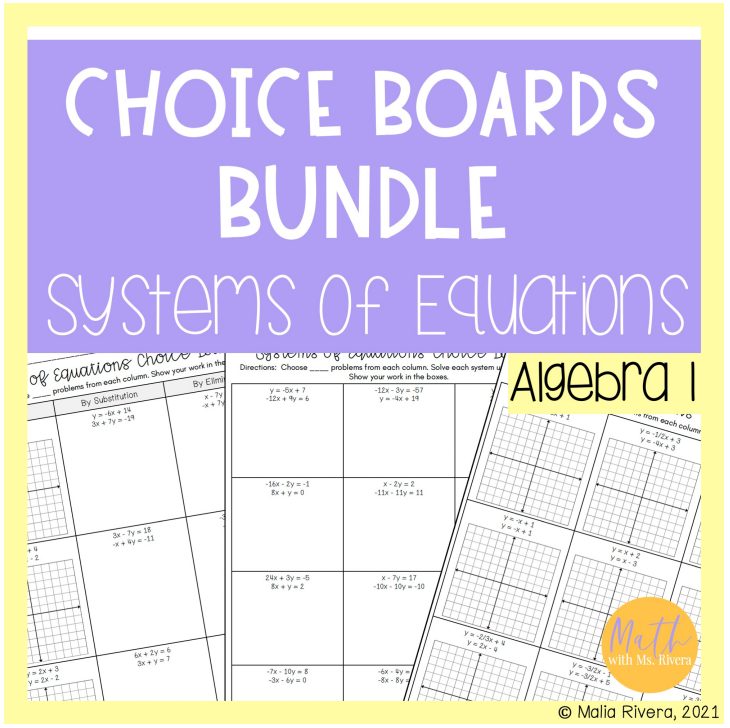
This is a great individual practice activity to use when reviewing how solve systems of equations using elimination.

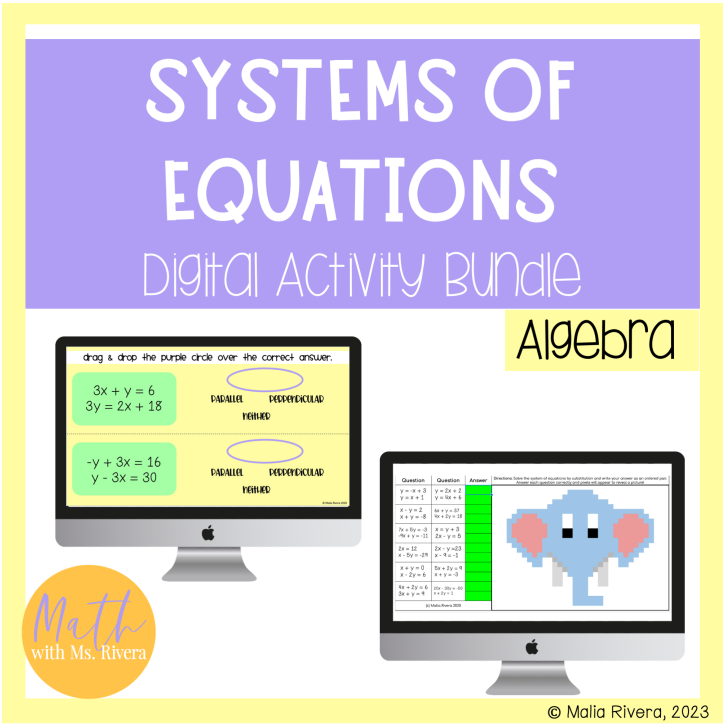
My favorite ways to use this choice board is for homework and math practice stations.

This is also a **substitute-friendly** assignment!

You may also *enjoy*...







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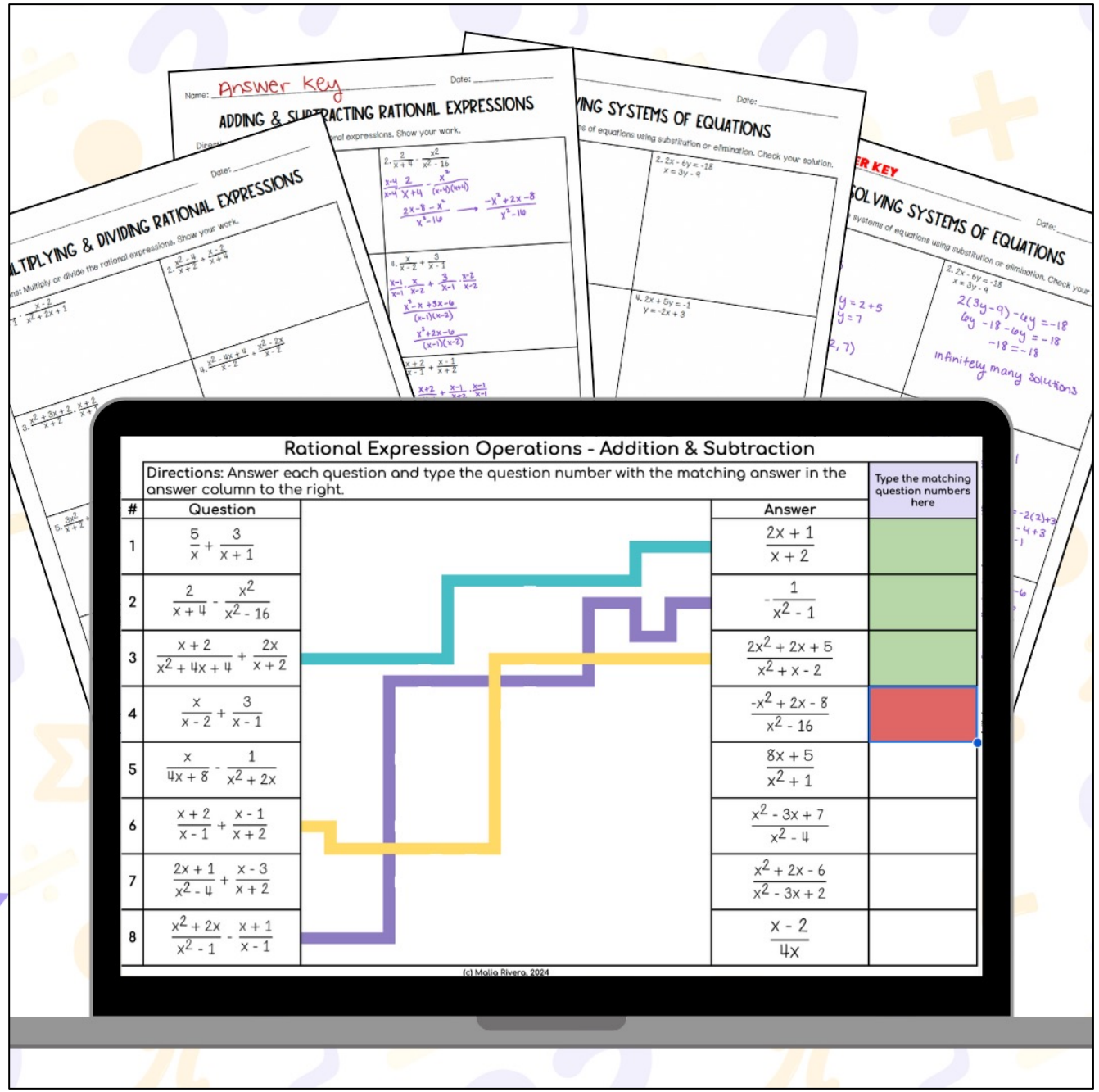

hey there!

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 this activity too!

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