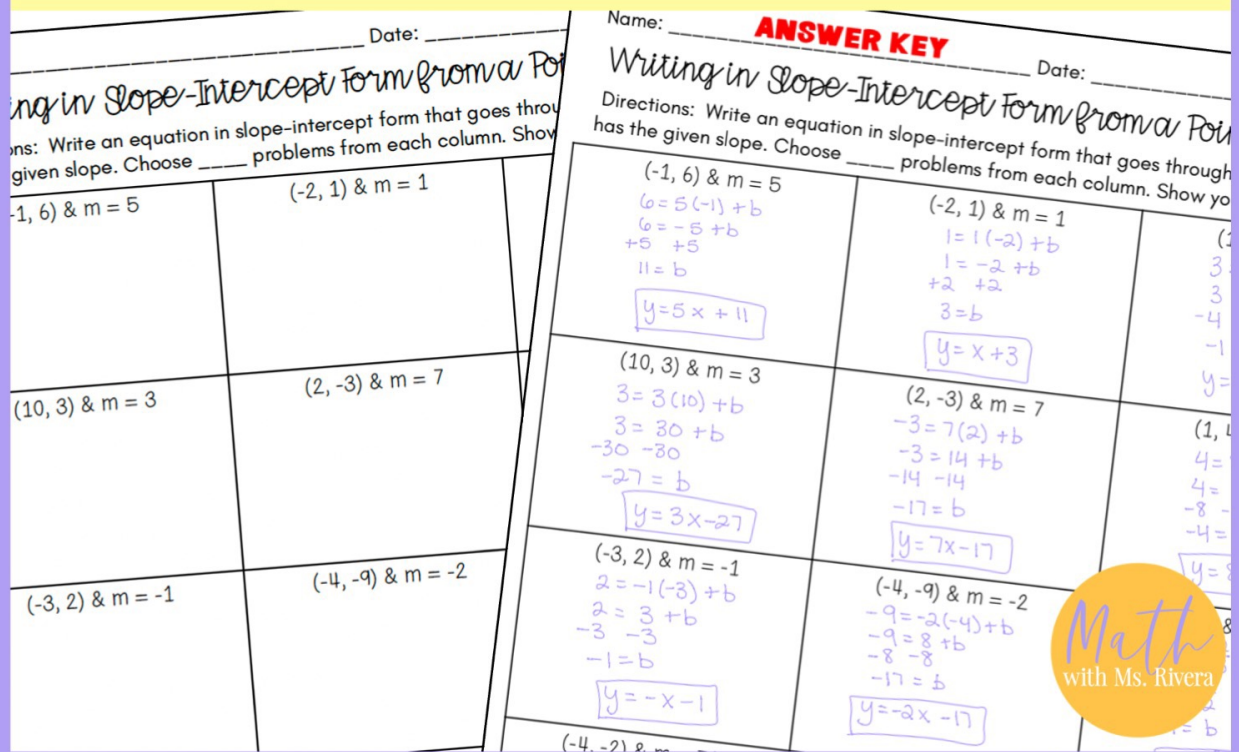
keep scrolling to get a sneak peek!

Help your Algebra 1 students practice **writing linear equations in slope intercept form from a point & a slope**. Your students will benefit from being given choice when it comes to how they want to practice math!

SLOPE-INTERCEPT FORM FROM A POINT & SLOPE

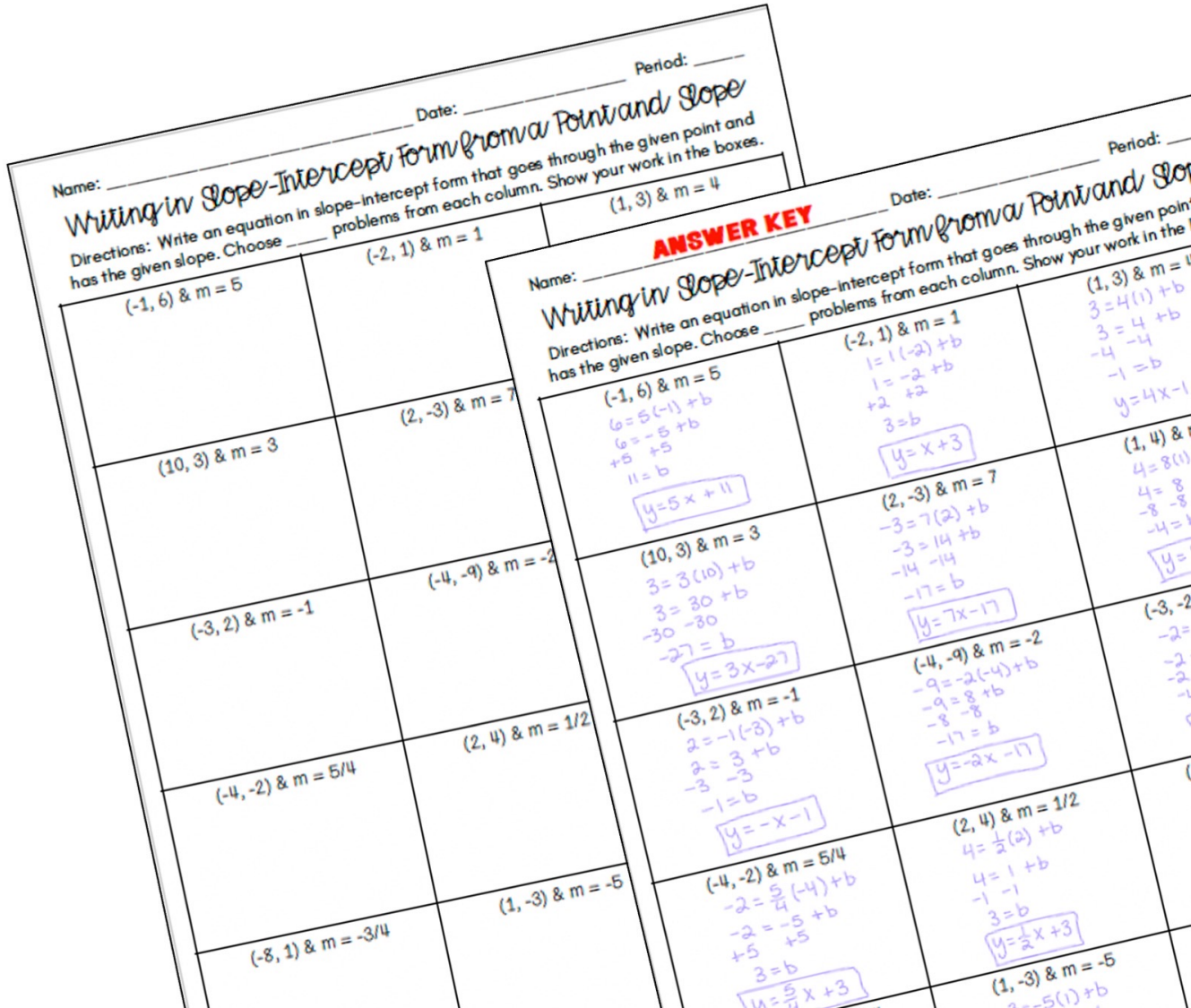
Choice Board



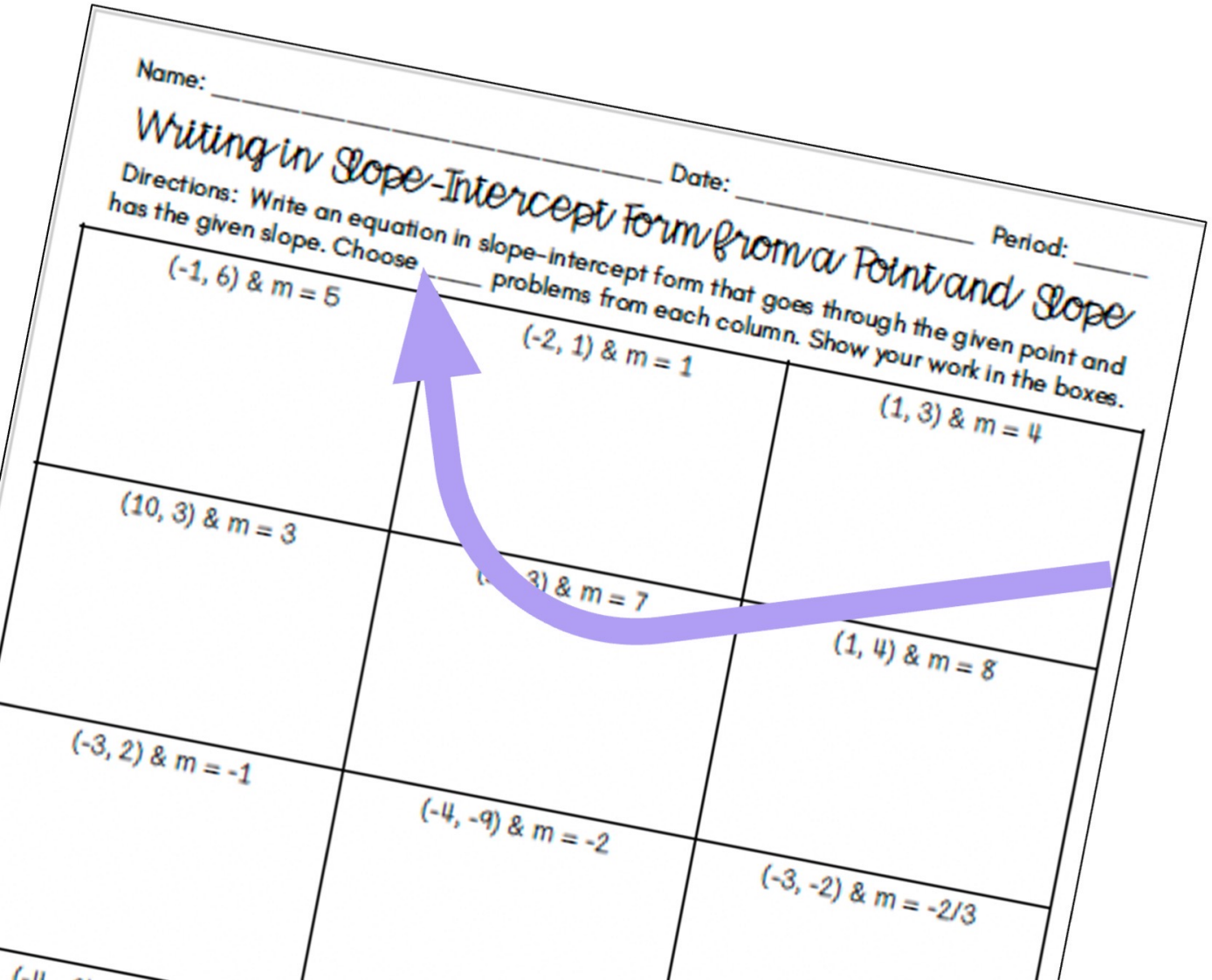
Slope Intercept Form from Slope & Point Choice Board

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.



Slope Intercept form from a Point & Slope Choice Board *includes*:



- ✅ printable worksheet
- ✅ a detailed answer key
- ✅ 3 columns with 5 questions in each - 15 question total
- ✅ Spot to assign how many problems students need to complete

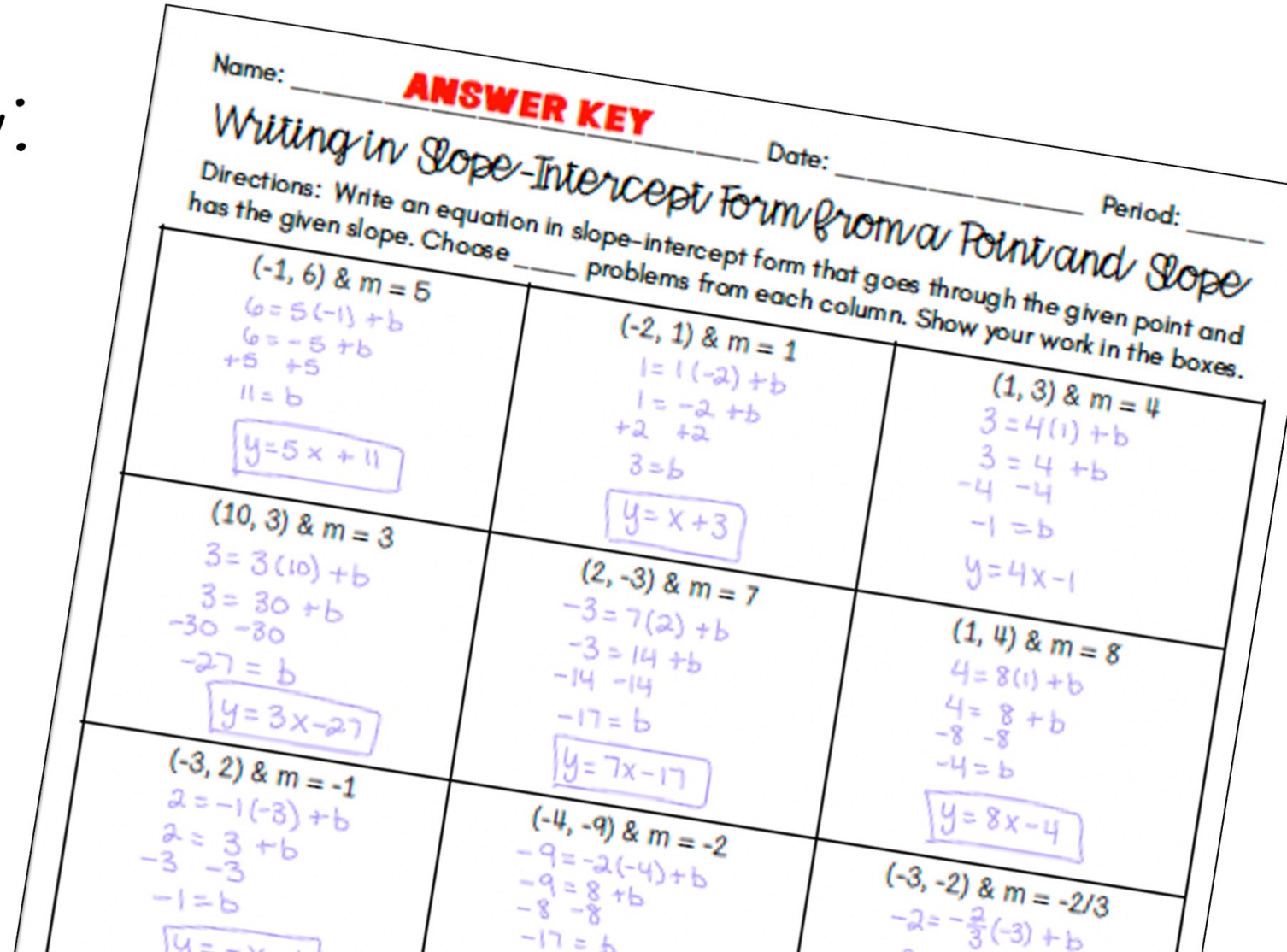
Writing Slope Intercept Form from a Point & Slope Choice Board

standards covered:

CCSS: HSA-CED.A.2

TEKs: A1.2.B

VA SOLs: EI.A.6.b



Name: ANSWER KEY Date: Period:

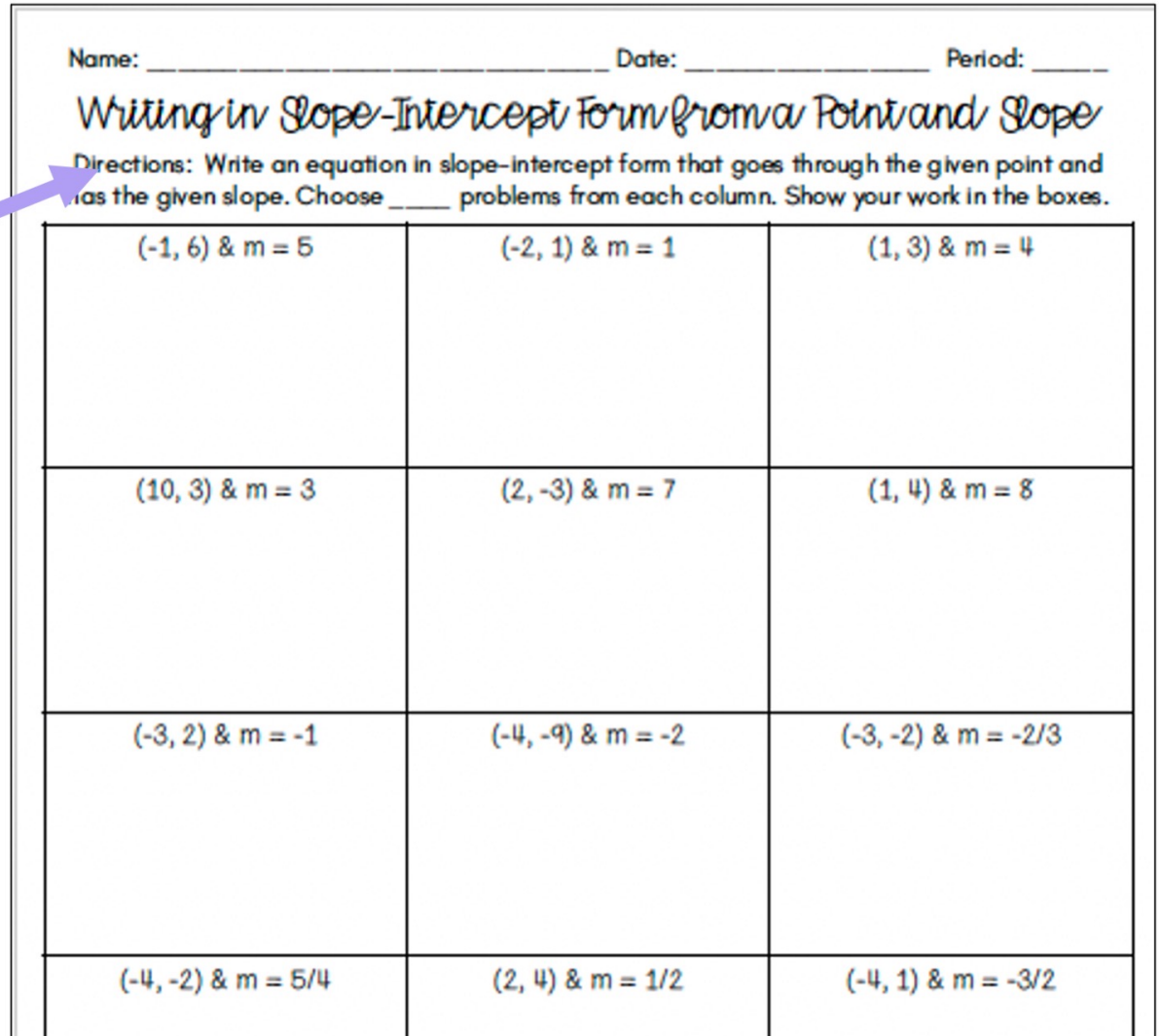
Writing in Slope-Intercept Form from a Point and Slope

Directions: Write an equation in slope-intercept form that goes through the given point and has the given slope. Choose ____ problems from each column. Show your work in the boxes.

(-1, 6) & m = 5 $6 = 5(-1) + b$ $6 = -5 + b$ $+5 \quad +5$ $11 = b$ $y = 5x + 11$	(-2, 1) & m = 1 $1 = 1(-2) + b$ $1 = -2 + b$ $+2 \quad +2$ $3 = b$ $y = x + 3$	(1, 3) & m = 4 $3 = 4(1) + b$ $3 = 4 + b$ $-4 \quad -4$ $-1 = b$ $y = 4x - 1$
(10, 3) & m = 3 $3 = 3(10) + b$ $3 = 30 + b$ $-30 \quad -30$ $-27 = b$ $y = 3x - 27$	(2, -3) & m = 7 $-3 = 7(2) + b$ $-3 = 14 + b$ $-14 \quad -14$ $-17 = b$ $y = 7x - 17$	(1, 4) & m = 8 $4 = 8(1) + b$ $4 = 8 + b$ $-8 \quad -8$ $-4 = b$ $y = 8x - 4$
(-3, 2) & m = -1 $2 = -1(-3) + b$ $2 = 3 + b$ $-3 \quad -3$ $-1 = b$	(-4, -9) & m = -2 $-9 = -2(-4) + b$ $-9 = 8 + b$ $-8 \quad -8$ $-17 = b$	(-3, -2) & m = -2/3 $-2 = -\frac{2}{3}(-3) + b$

how the choice board resource works

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



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Writing in Slope-Intercept Form from a Point and Slope

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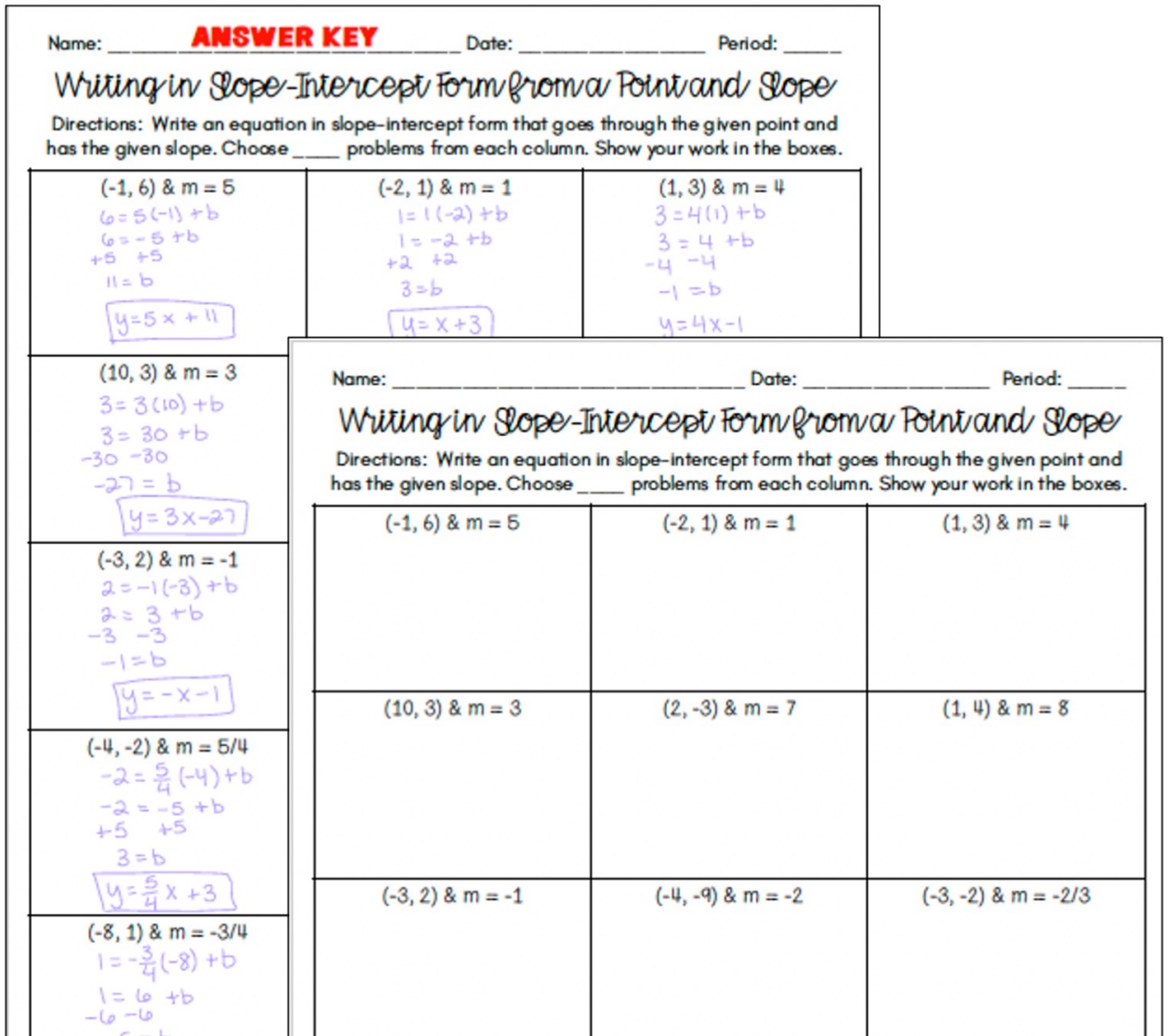
(-1, 6) & m = 5	(-2, 1) & m = 1	(1, 3) & m = 4
(10, 3) & m = 3	(2, -3) & m = 7	(1, 4) & m = 8
(-3, 2) & m = -1	(-4, -9) & m = -2	(-3, -2) & m = -2/3
(-4, -2) & m = 5/4	(2, 4) & m = 1/2	(-4, 1) & m = -3/2

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



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Writing in Slope-Intercept Form from a Point and Slope

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(-1, 6) & m = 5	(-2, 1) & m = 1	(1, 3) & m = 4
$6=5(-1)+b$ $6=-5+b$ $+5 \quad +5$ $11=b$ $y=5x+11$	$1=1(-2)+b$ $1=-2+b$ $+2 \quad +2$ $3=b$ $y=x+3$	$3=4(1)+b$ $3=4+b$ $-4 \quad -4$ $-1=b$ $y=4x-1$
(10, 3) & m = 3 $3=3(10)+b$ $3=30+b$ $-30 \quad -30$ $-27=b$ $y=3x-27$		
(-3, 2) & m = -1 $2=-1(-3)+b$ $2=3+b$ $-3 \quad -3$ $-1=b$ $y=-x-1$		
(-4, -2) & m = 5/4 $-2=\frac{5}{4}(-4)+b$ $-2=-5+b$ $+5 \quad +5$ $3=b$ $y=\frac{5}{4}x+3$		
(-8, 1) & m = -3/4 $1=-\frac{3}{4}(-8)+b$ $1=6+b$ $-6 \quad -6$		

Name: _____ Date: _____ Period: _____

Writing in Slope-Intercept Form from a Point and Slope

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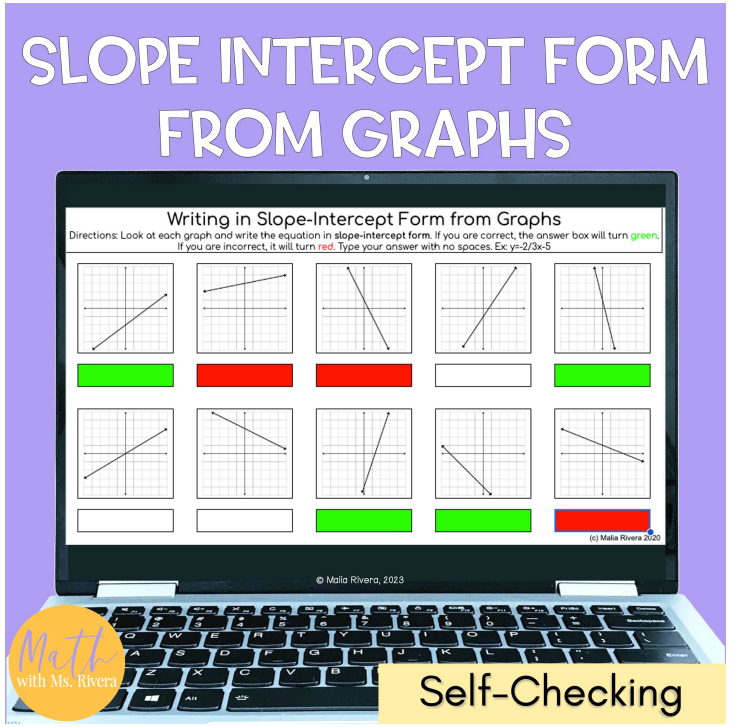
(10, 3) & m = 3	(2, -3) & m = 7	(1, 4) & m = 8
(-3, 2) & m = -1	(-4, -9) & m = -2	(-3, -2) & m = -2/3

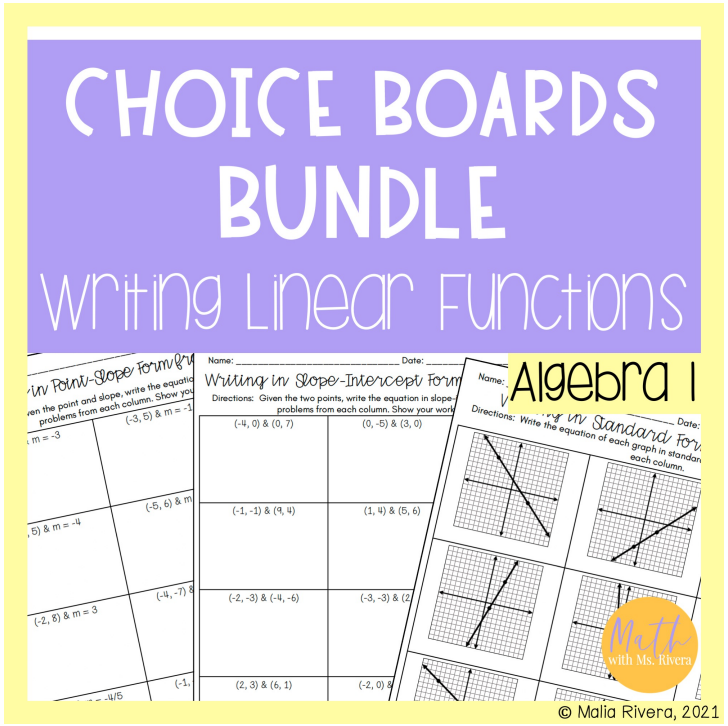
This is a great individual practice activity to use when reviewing how to write linear equations in slope intercept form from a point & slope.

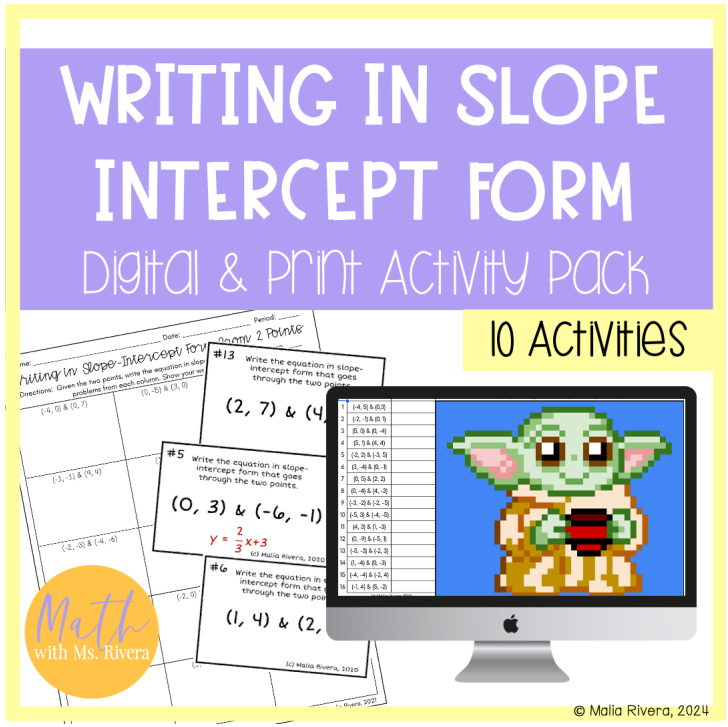
My favorite ways to use this choice board is for homework and math practice stations.

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

You may also *enjoy*...







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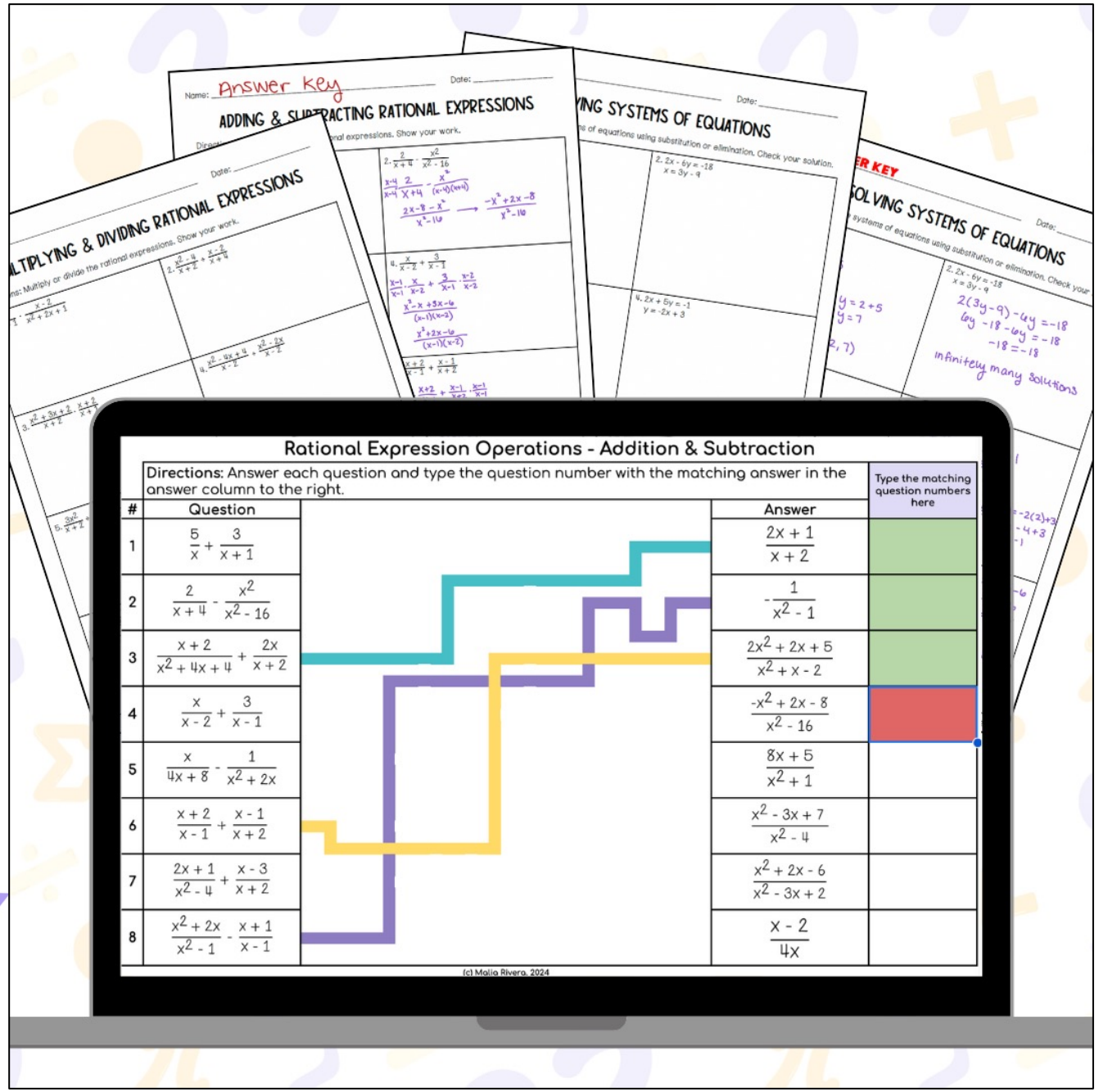
check it out!



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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