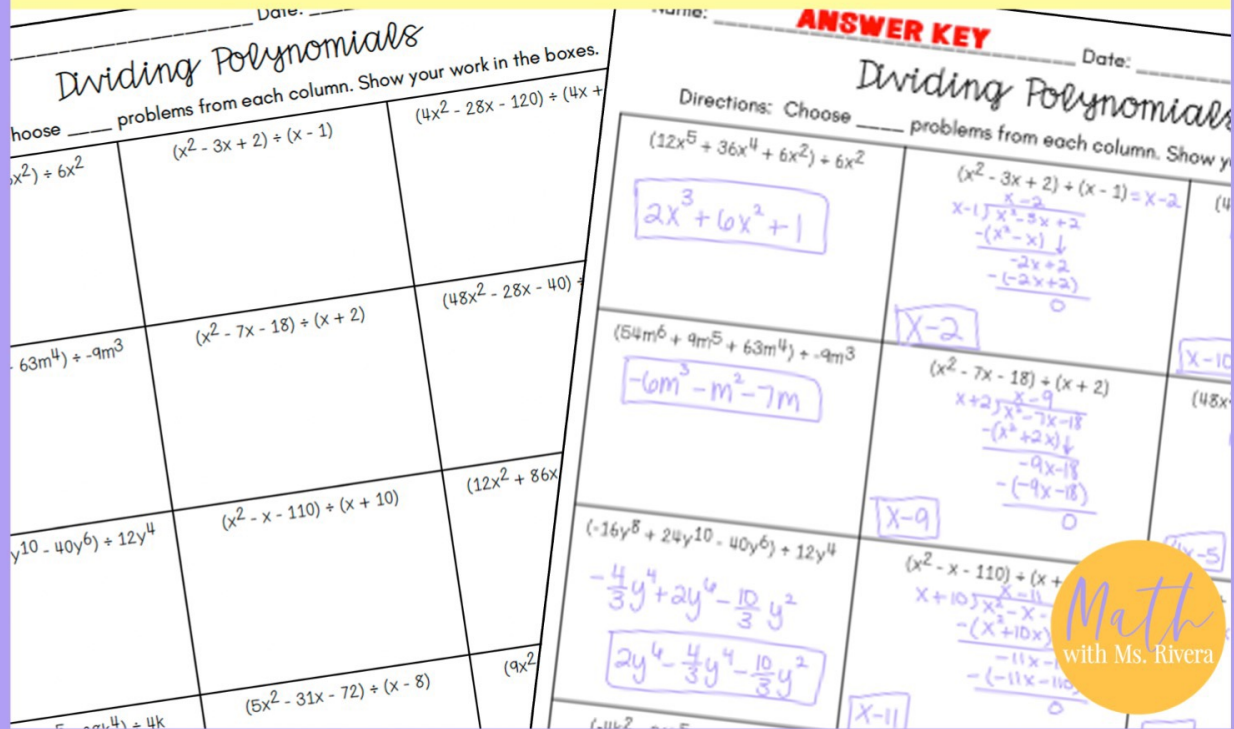
keep scrolling to get a sneak peek!

DIVIDING POLYNOMIALS

Choice Board

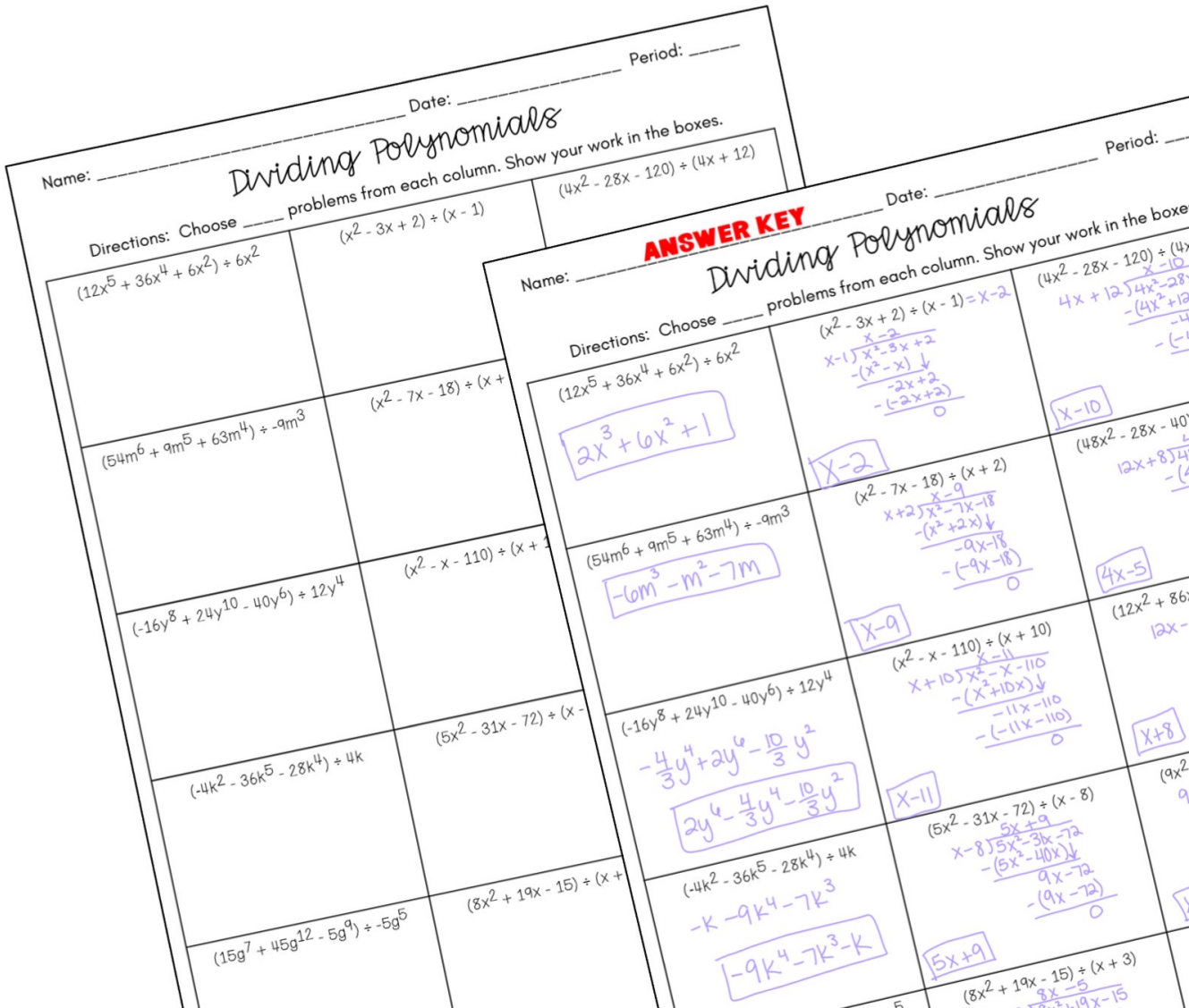


Help your Algebra students practice dividing polynomial expressions using long division . Your students will benefit from being given choice when it comes to how they want to practice math!

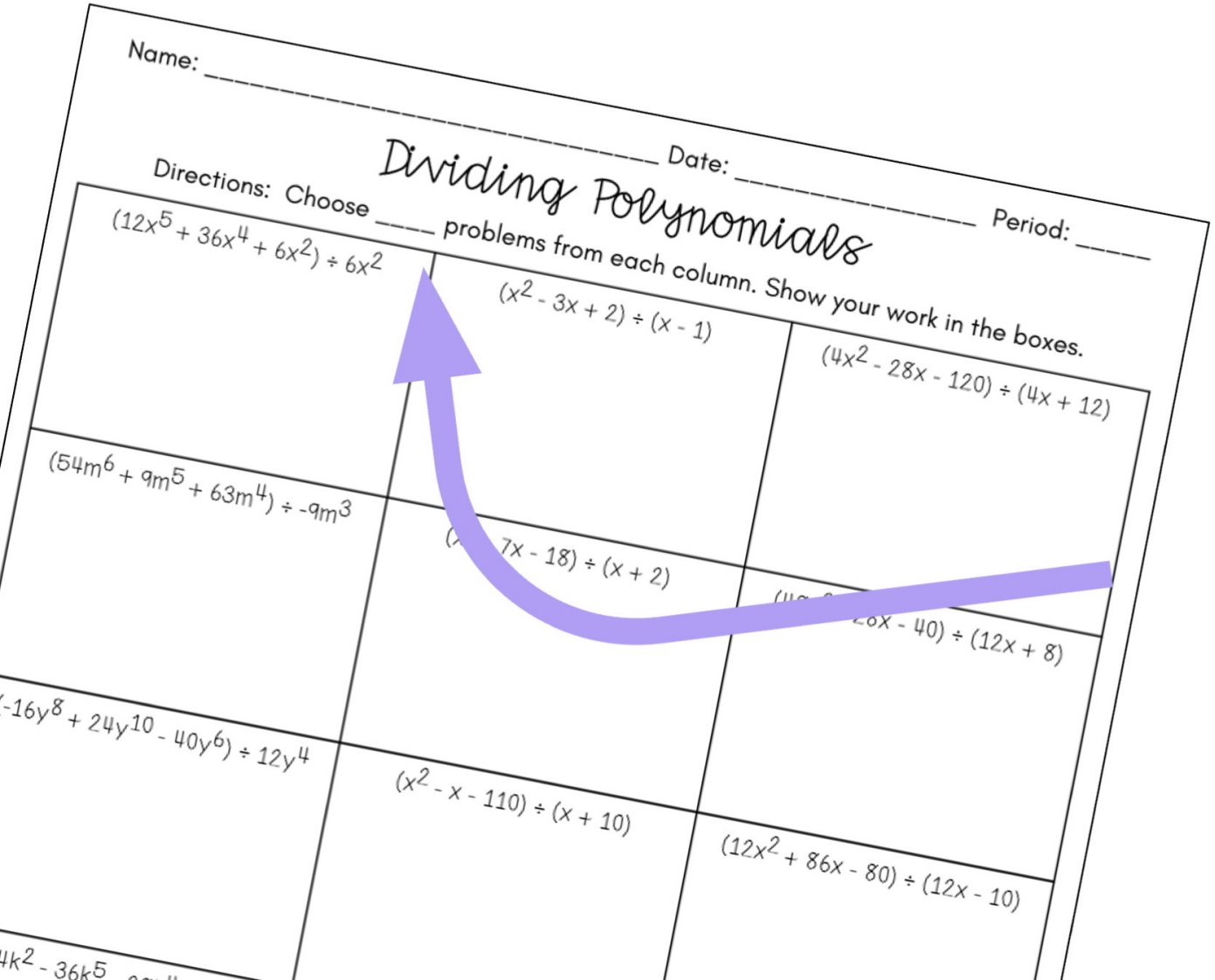
Why do you need this?

- 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.

Dividing Polynomials Choice Board



Dividing Polynomials Choice Board *includes*:


Name: _____ Date: _____ Period: _____

Dividing Polynomials

Directions: Choose ____ problems from each column. Show your work in the boxes.

$(12x^5 + 36x^4 + 6x^2) \div 6x^2$

$(x^2 - 3x + 2) \div (x - 1)$

$(4x^2 - 28x - 120) \div (4x + 12)$

$(54m^6 + 9m^5 + 63m^4) \div -9m^3$

$7x - 18) \div (x + 2)$

$28x - 40) \div (12x + 8)$

$-16y^8 + 24y^{10} - 40y^6) \div 12y^4$

$(x^2 - x - 110) \div (x + 10)$

$(12x^2 + 86x - 80) \div (12x - 10)$

$4k^2 - 36k^5$

- ✅ 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

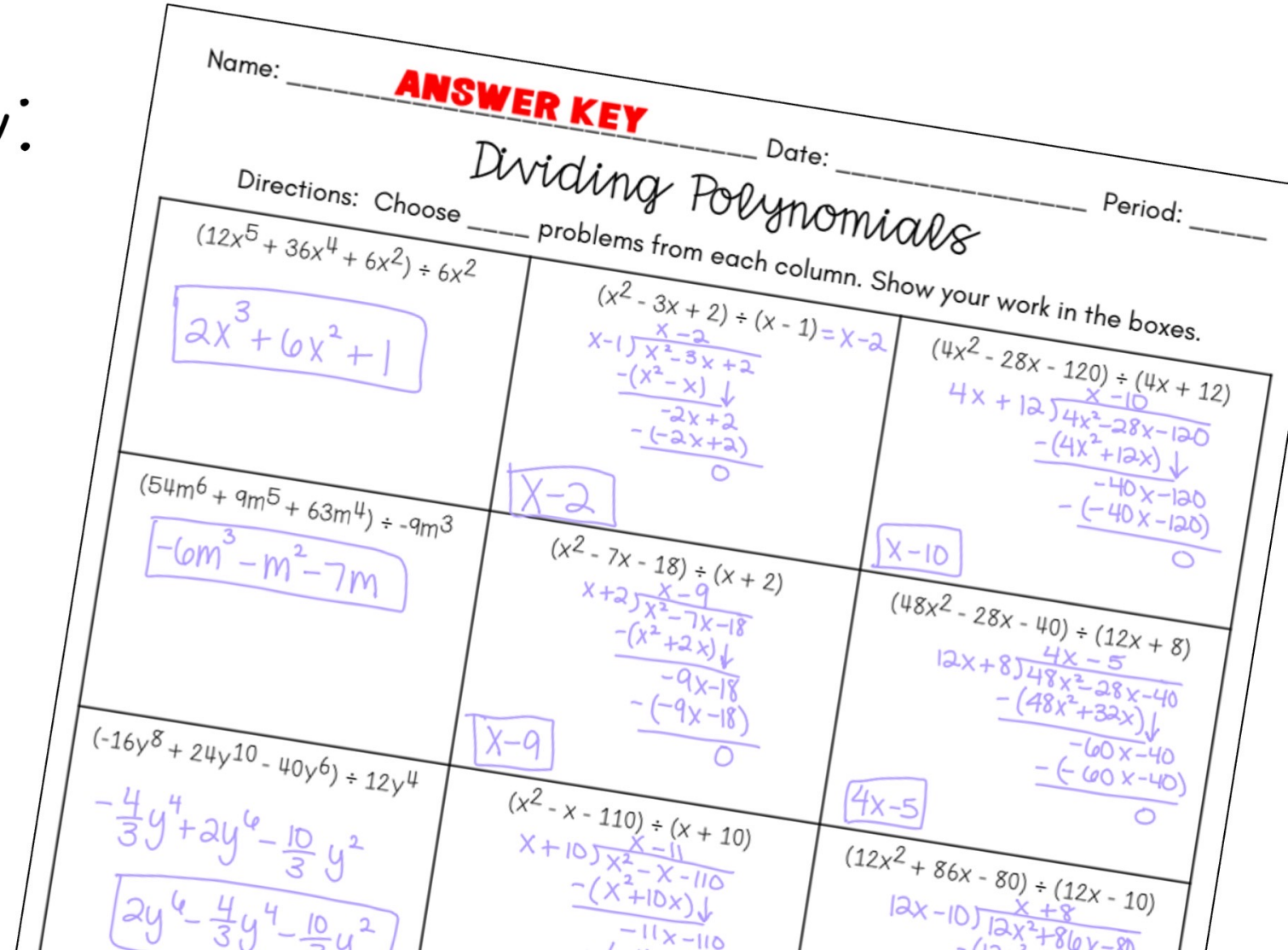
Dividing Polynomials Choice Board

standards covered:

CCSS: HSA-APR.B.2

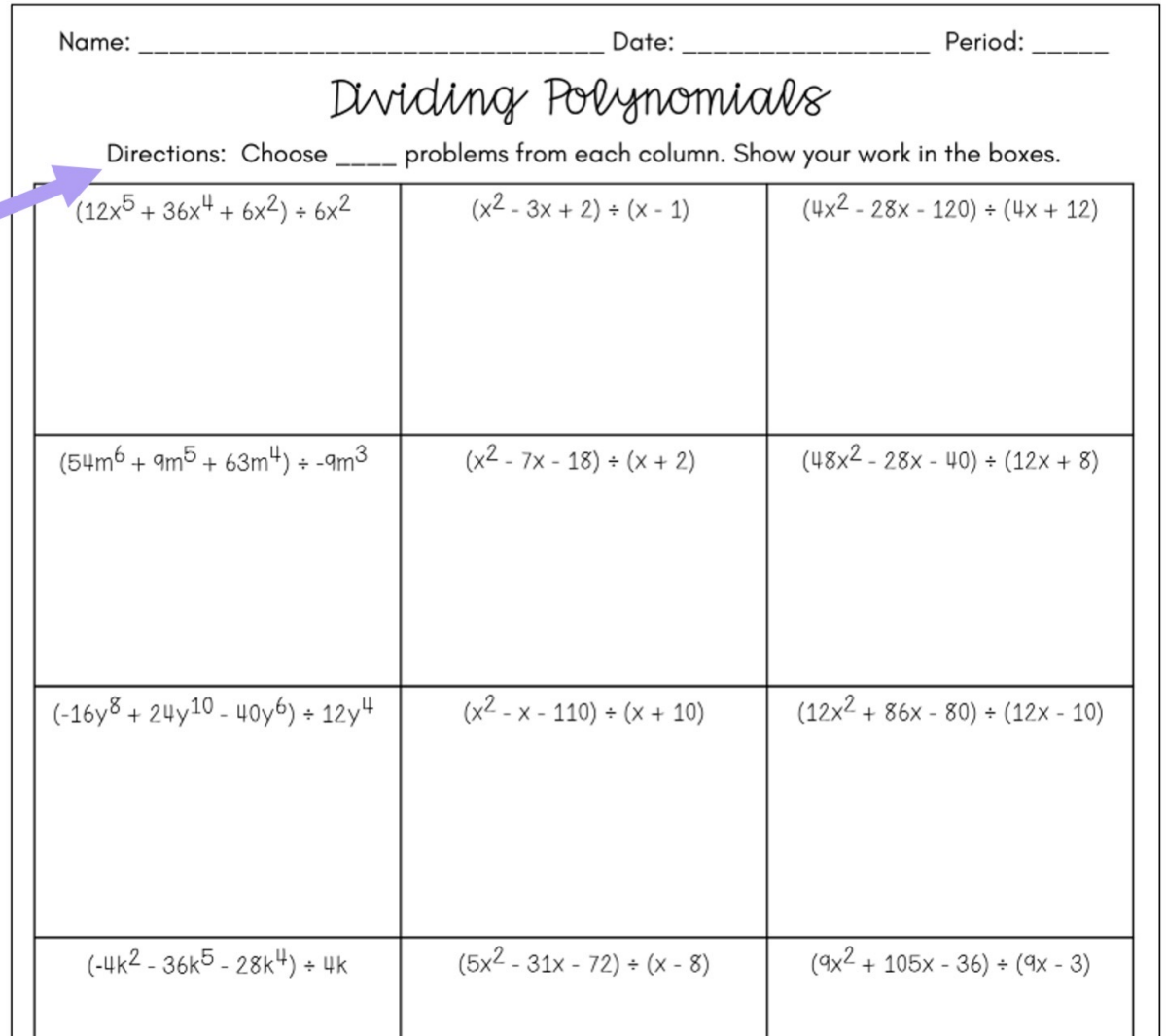
TEKs: A1.10.C

VA SOLs: EO.A.2.b



how the choice board resource works

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



Name: _____ Date: _____ Period: _____

Dividing Polynomials

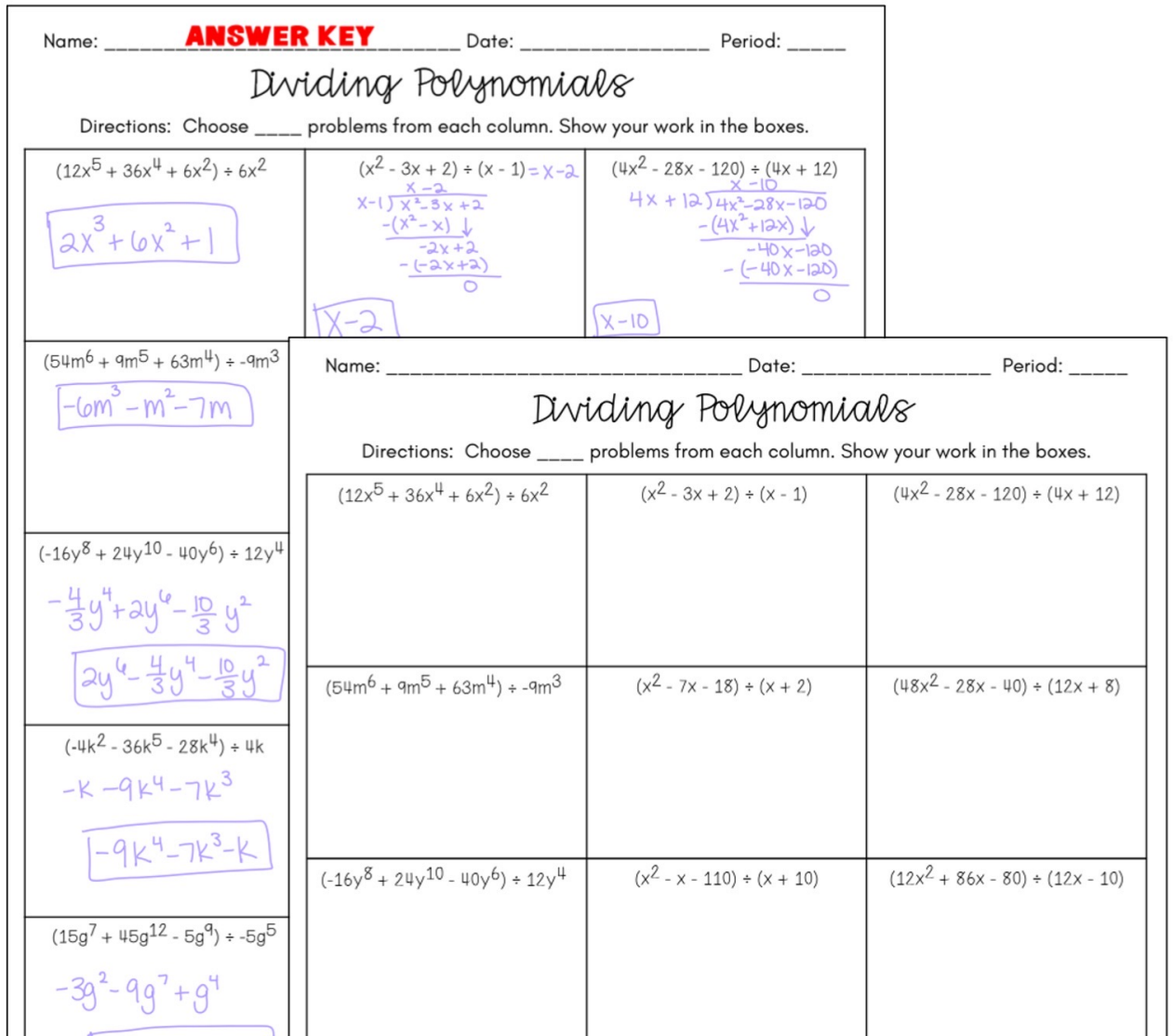
Directions: Choose ____ problems from each column. Show your work in the boxes.

$(12x^5 + 36x^4 + 6x^2) \div 6x^2$	$(x^2 - 3x + 2) \div (x - 1)$	$(4x^2 - 28x - 120) \div (4x + 12)$
$(54m^6 + 9m^5 + 63m^4) \div -9m^3$	$(x^2 - 7x - 18) \div (x + 2)$	$(48x^2 - 28x - 40) \div (12x + 8)$
$(-16y^8 + 24y^{10} - 40y^6) \div 12y^4$	$(x^2 - x - 110) \div (x + 10)$	$(12x^2 + 86x - 80) \div (12x - 10)$
$(-4k^2 - 36k^5 - 28k^4) \div 4k$	$(5x^2 - 31x - 72) \div (x - 8)$	$(9x^2 + 105x - 36) \div (9x - 3)$

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: _____

Dividing Polynomials

Directions: Choose ____ problems from each column. Show your work in the boxes.

$(12x^5 + 36x^4 + 6x^2) \div 6x^2$ $2x^3 + 6x^2 + 1$	$(x^2 - 3x + 2) \div (x - 1) = x - 2$ $x-2$ $x-1 \overline{)x^2-3x+2}$ $-(x^2-x)\downarrow$ $-2x+2$ $-(-2x+2)$ 0 $x-2$	$(4x^2 - 28x - 120) \div (4x + 12)$ $x-10$ $4x+12 \overline{)4x^2-28x-120}$ $-(4x^2+12x)\downarrow$ $-40x-120$ $-(-40x-120)$ 0 $x-10$
$(54m^6 + 9m^5 + 63m^4) \div -9m^3$ $-6m^3 - m^2 - 7m$		
$(-16y^8 + 24y^{10} - 40y^6) \div 12y^4$ $-\frac{4}{3}y^4 + 2y^6 - \frac{10}{3}y^2$ $2y^6 - \frac{4}{3}y^4 - \frac{10}{3}y^2$		
$(-4k^2 - 36k^5 - 28k^4) \div 4k$ $-k - 9k^4 - 7k^3$ $-9k^4 - 7k^3 - k$		
$(15g^7 + 45g^{12} - 5g^9) \div -5g^5$ $-3g^2 - 9g^7 + g^4$		

Name: _____ Date: _____ Period: _____

Dividing Polynomials

Directions: Choose ____ problems from each column. Show your work in the boxes.

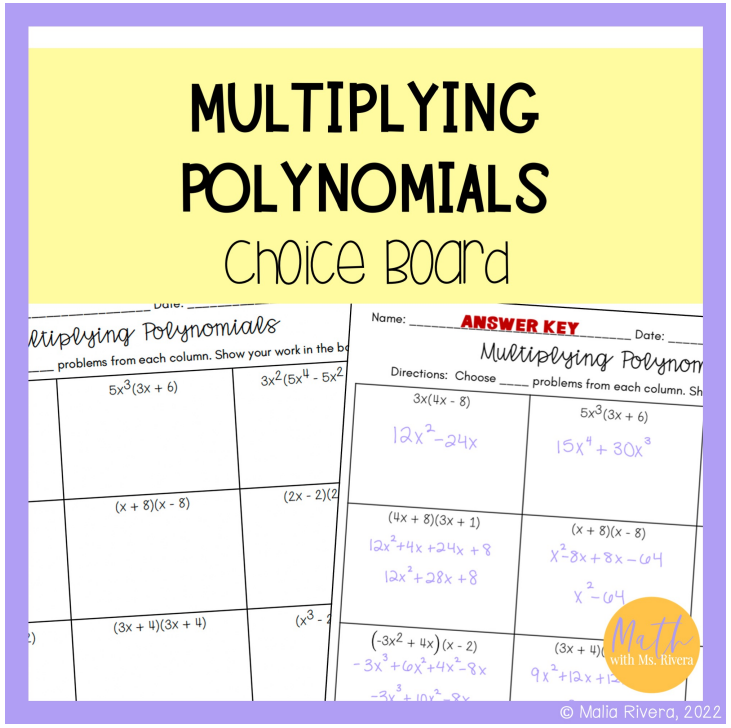
$(12x^5 + 36x^4 + 6x^2) \div 6x^2$	$(x^2 - 3x + 2) \div (x - 1)$	$(4x^2 - 28x - 120) \div (4x + 12)$
$(54m^6 + 9m^5 + 63m^4) \div -9m^3$	$(x^2 - 7x - 18) \div (x + 2)$	$(48x^2 - 28x - 40) \div (12x + 8)$
$(-16y^8 + 24y^{10} - 40y^6) \div 12y^4$	$(x^2 - x - 110) \div (x + 10)$	$(12x^2 + 86x - 80) \div (12x - 10)$

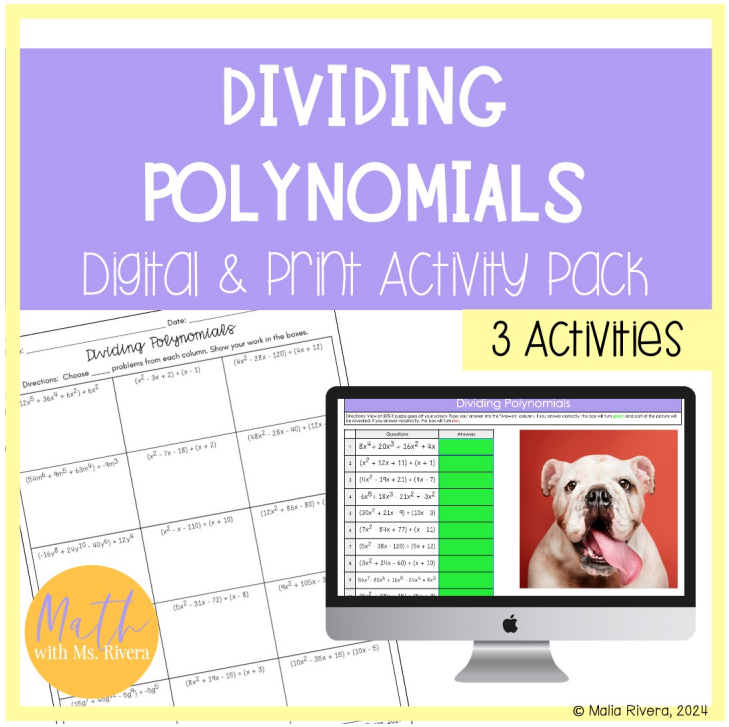
This is a great individual practice activity to use when reviewing how to divide polynomial expressions using long division.

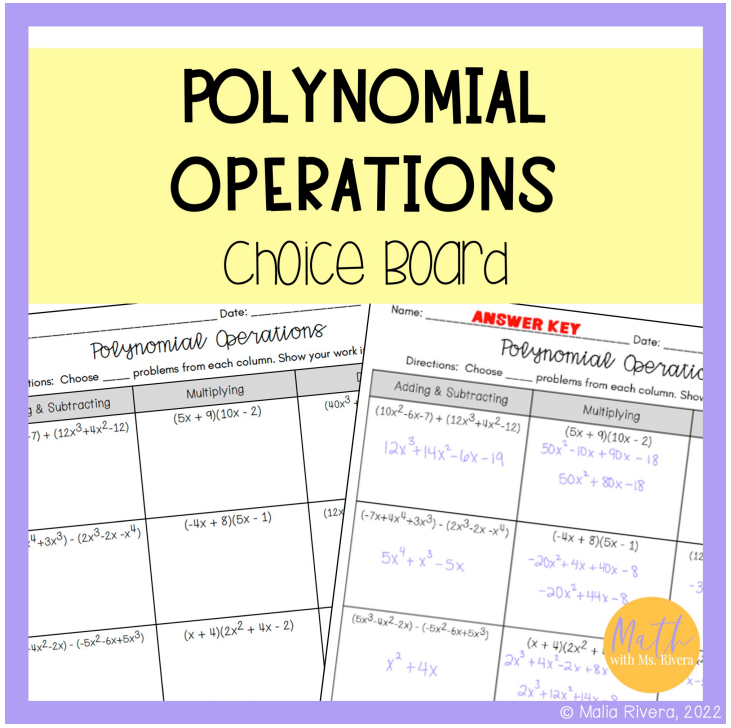
My favorite ways to use this choice board is for homework and math practice stations.

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

You may also *enjoy*...







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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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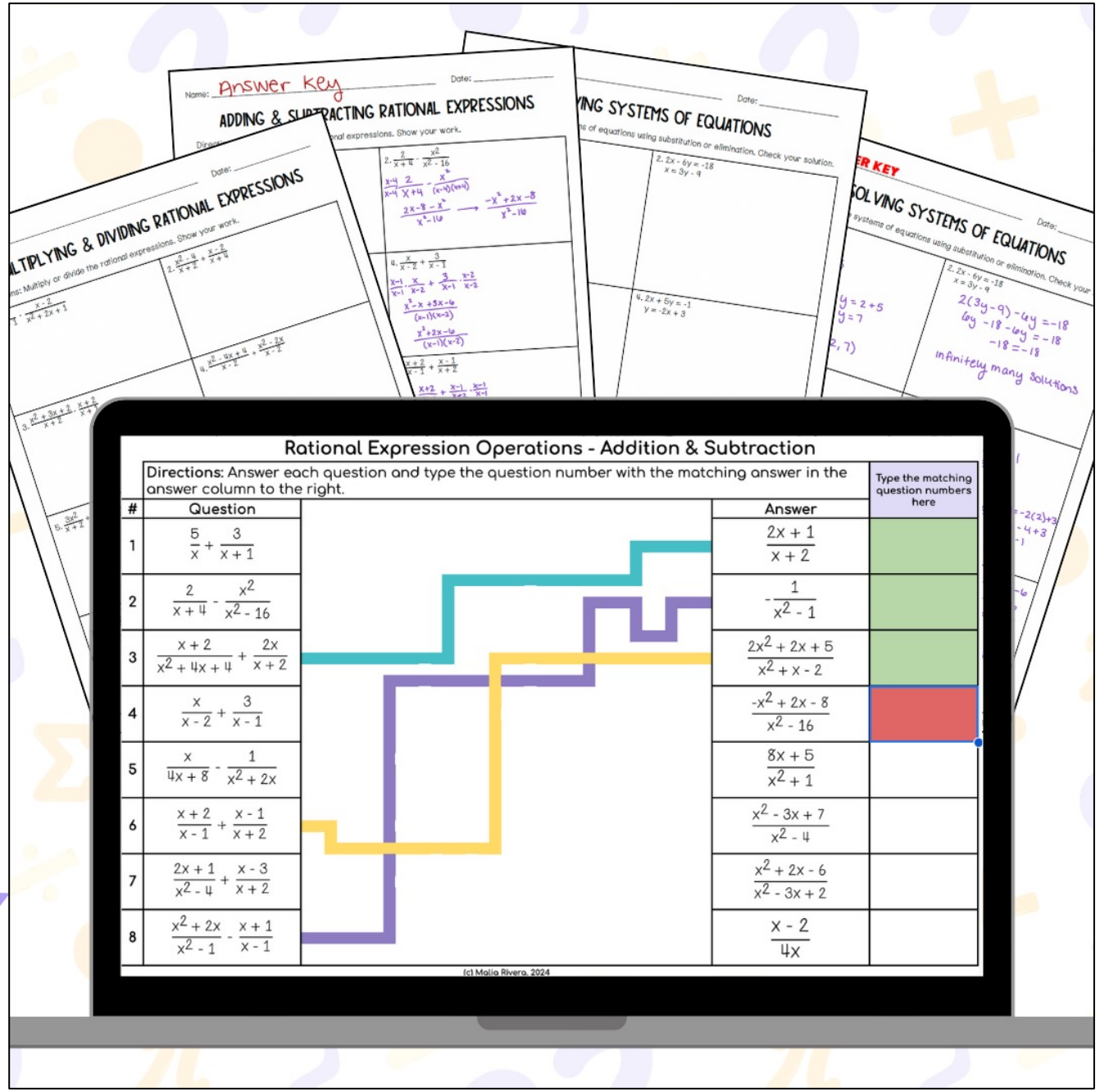
check it out!



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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