

keep scrolling to get
a sneak peek!

Help your Algebra 1
students practice
multiplying polynomials
with this task card activity!
Your students are going to
love this self-checking
activity!

MULTIPLYING POLYNOMIALS

16 Task Cards

ANSWER KEY

MULTIPLYING POLYNOMIALS TASK CARDS

Directions: Multiply each polynomial using any method. Show all work in the space provided.

A
 $x(2x^2 - 3x + 9)$
 $2x^3 - 3x^2 + 9x$

B
 $4x(-x^3 - 2x - 1)$
 $-x^2(4x) - 2x(4x) - 1$
 $-4x^4 - 8x^2 - 4x$

C
 $-x^2(4x) - 2x(4x) - 1$
 $-4x^3 - 8x^2 - 4x$

D
Multiply the polynomials
 $-x^5(-9x^7 + 5)$

E
 $(x+2)(x-3)$
 $(x) + x(-3) + 2(x) + 2(-3)$
 $x^2 + 3x + 2x - 6$
 $x^2 - x - 6$

F
 $(x-5)(2x+5)$
 $x(2x) + x(5) - 5(2x) - 5(5)$
 $2x^2 + 3x - 10x - 15$
 $2x^2 - 7x - 15$

G
 $(4x+3)(x+5)$
 $4x(x) + 4x(5) + 3(x) + 3(5)$
 $4x^2 + 20x + 3x + 15$
 $4x^2 + 31x + 15$

H
 $(x+3)+2(x)+2(-3)$
 $x^2 + 3x + 2x - 6$

I
 $(x-5)(2x+5)$
 $2x^2 + 3x - 10x - 15$

J
 $(4x+3)(x+5)$
 $4x^2 + 31x + 15$

K
 $(x+3)(x+5)$
 $x^2 + 8x + 15$

L
Multiply the polynomials
 $(8x+3)(5x+4)$

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Answers printed on the back!

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Why do you need this?



Task cards are an effective, low-prep way to create engaging and interactive learning experience



Task cards are very versatile because they cater to a wide range of student needs

Multiplying Polynomials Task Cards

Name: _____ Date: _____

MULTIPLYING POLYNOMIALS TASK CARDS

Directions: Multiply each polynomial using any method. Show all work in the box provided.

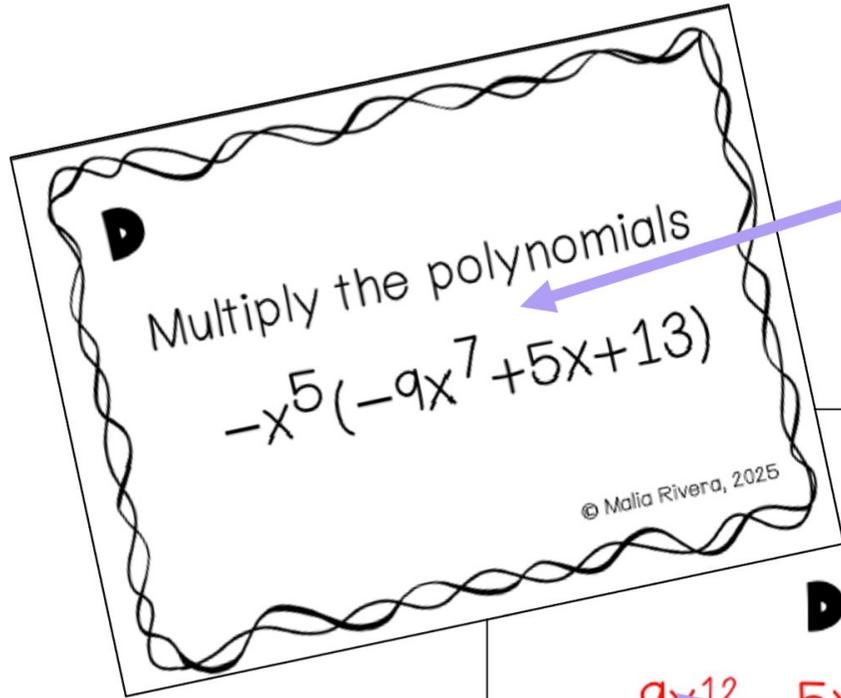
A	B	C	D
E	F	G	

O
Multiply the polynomials
 $(5x+2)(-3x^2+4x+1)$
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L
Multiply the polynomials
 $(8x+3)(5x+4)$
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Multiplying Polynomials Task Cards *includes:*



Front with question

Print with answer on back

$$9x^{12} - 5x^6 - 13x^5$$

A purple arrow points from the text "Print with answer on back" to the equation.

- ✓ set of 16 task cards
- ✓ a recording sheet for students to show their work
- ✓ a detailed answer key
- ✓ Printing tips to print the answers on the back of the corresponding question cards

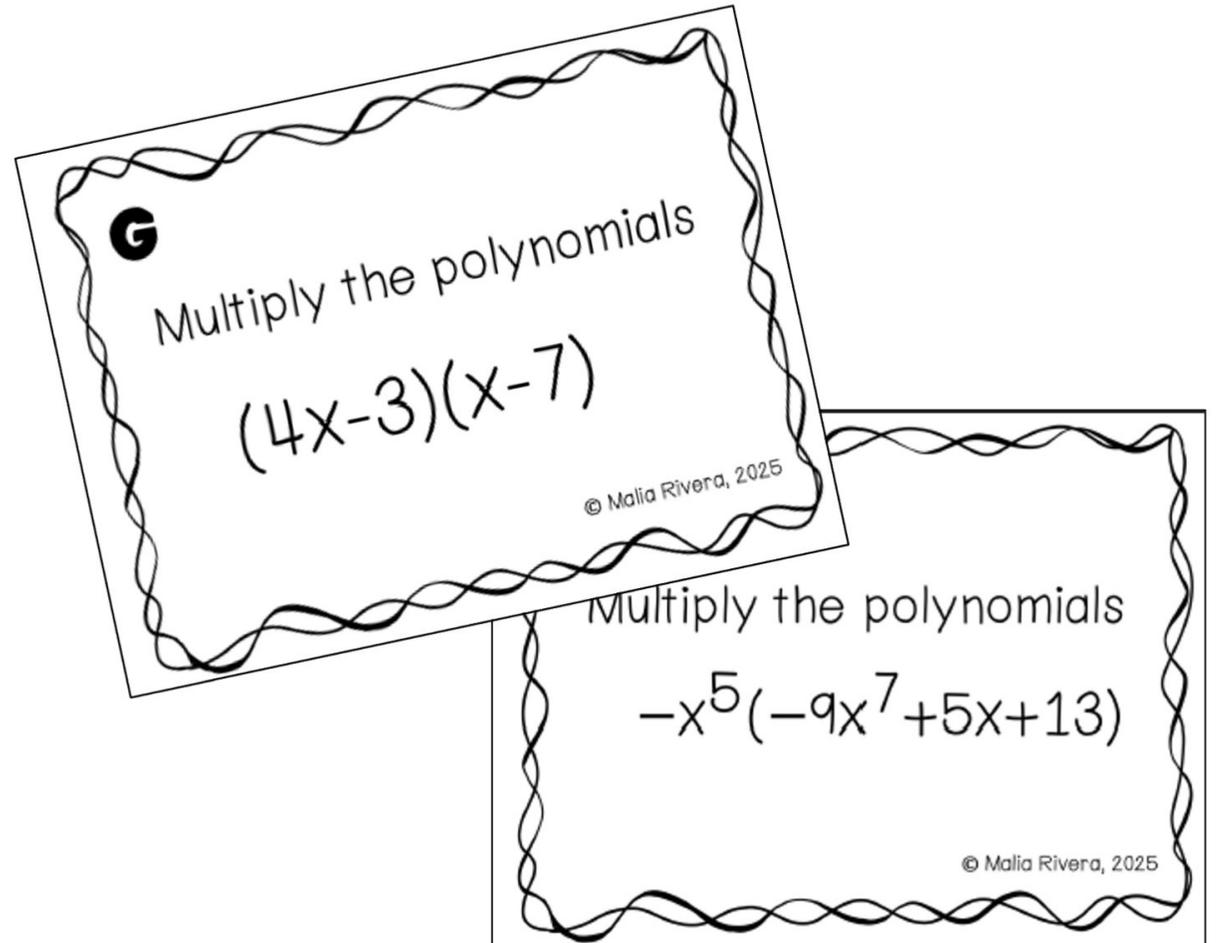
Multiplying Polynomials Task Cards

standards covered:

CCSS: HSA-APR.A.1

TEKs: A1.10.B

VA SOLs: EO.A.2.b



how to use this resource

This is a great individual practice activity to use when reviewing how to multiply various polynomials.

You can also use this in small groups, match centers, or as a scavenger hunt.

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

Name: _____ Date: _____

ANSWER KEY

MULTIPLYING POLYNOMIALS TASK CARDS

Directions: Multiply each polynomial using any method. Show all work in the box provided.

<p>A</p> $x(2x^2 - 3x + 9)$ $2x^2(x) - 3x(x) + 9(x)$ <div style="border: 1px solid red; padding: 2px; display: inline-block;"> $2x^3 - 3x^2 + 9x$ </div>	<p>B</p> $4x(-x^3 - 2x - 1)$ $-x^3(4x) - 2x(4x) - 1(4x)$ <div style="border: 1px solid red; padding: 2px; display: inline-block;"> $-4x^4 - 8x^2 - 4x$ </div>	<p>C</p> $3x^3(8x^4 - x^2 - 3x + 5)$ $8x^4(3x^3) - x^2(3x^3) - 3x(3x^3) + 5(3x^3)$ <div style="border: 1px solid red; padding: 2px; display: inline-block;"> $24x^7 - 3x^5 - 9x^4 + 15x^3$ </div>	<p>D</p> $-x^5(-9x^2 + 5x + 13)$ $-9x^7(-x^5) + 5x(-x^5) + 13(-x^5)$ <div style="border: 1px solid red; padding: 2px; display: inline-block;"> $9x^{12} - 5x^6 - 13x^5$ </div>
<p>G</p> $x(x-7)$ $x(-7) - 3(x) - 3(-7)$		<p>H</p> $(5x+2)(x+8)$ $5x(x) + 5x(8) + 2(x) + 2(8)$	

TIPS FOR USE

When printing this set of task cards, be sure to select "short-edged binding" when printing on both sides. This will allow the answers to be printing on the back of the corresponding card.

After printing, I highly recommend laminating the task cards to the can be used in the future.

● Multiply the polynomials

$$(5x+2)(-3x^2+4x+1)$$

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You may also enjoy ...

MULTIPLYING POLYNOMIALS

Digital & Print Activity Pack

6 Activities

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MULTIPLYING POLYNOMIALS

Color by Number Worksheet

Answer key included

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MULTIPLYING POLYNOMIALS

VIRTUAL ALGEBRA TILES

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You'll also be getting exclusive freebies and content to help your Algebra students be successful this school year!

check it out!

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 this activity too!

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