

keep scrolling to get
a sneak peek!

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

ADDING & SUBTRACTING POLYNOMIALS

20 TASK CARDS

Adding & Subtracting Polynomials
Task Cards Recording Sheet

Name: **ANSWER KEY** Date: _____

Directions: Answer each task card. Use the boxes below to show your work.

| | | |
|--|---|---|
| A $\begin{array}{r} x^4 + 4x^2 + 4x \\ + -4x^2 + 4x^2 + 2x \\ \hline 3x^4 + 8x^2 + 6x \end{array}$ | B $\begin{array}{r} -7x^4 - x^3 + 0x^2 + 7x + 0 \\ + -9x^3 + 0x^2 + 0x - 7 \\ \hline -15x^4 + 2x^3 + 7x - 7 \end{array}$ | C $\begin{array}{r} 5x^4 + 5x^3 + 0x^2 + 0x + 1 \\ + 0x^4 + 6x^3 + 10x^2 + 0 \\ \hline 5x^4 + 11x^3 + 10x^2 + 1 \end{array}$ |
| F $\begin{array}{r} 5x^3 + 0x^2 - 7x + 5 \\ + 7x^3 + 0x^2 - 7x - 7 \\ \hline 12x^3 - 14x - 2 \end{array}$ | G $\begin{array}{r} 3x^3 + 0x^2 - 5x - 5 \\ + 5x^3 + 0x^2 + 5x + 7 \\ \hline 8x^3 - 2x + 2 \end{array}$ | H $\begin{array}{r} 3x^3 - 4x^2 \\ + 0x^3 - 2x^2 + 6 \\ \hline 3x^3 - 6x^2 + 6 \end{array}$ |
| K $\begin{array}{r} 6x^3 + 5x + 6 \\ - (5x^3 - 8x - 7) \\ \hline 11x^3 + 13x + 13 \end{array}$ | L $\begin{array}{r} -7x^4 + 4x^3 - 8x^2 \\ - (3x^4 + 5x^3 - 8x^2) \\ \hline -10x^4 - x^3 \end{array}$ | M $\begin{array}{r} -6x^3 - 3x^2 + x \\ - (-8x^3 + 4x^2 + x) \\ \hline 2x^4 - 7x^2 \end{array}$ |
| $\begin{array}{r} -2x^4 - 4x - 7 \\ 4x^4 - 7x + 8 \\ \hline -6x^4 + 3x - 15 \end{array}$ | Q $\begin{array}{r} 4x^4 - 12x - 2 \\ + x^4 + 7x + 3 \\ \hline 5x^4 - 5x + 1 \end{array}$ | R $\begin{array}{r} -4x^4 + 3x + 3 \\ + 7x^4 + 4x - 8 \\ \hline 3x^4 + 7x - 5 \end{array}$ |
| $\begin{array}{r} 12x^4 + 8x^2 + x + 0 \\ - (0x^4 - 11x^2 + x + 3) \\ \hline 12x^4 + 19x^2 - 3 \end{array}$ | T $\begin{array}{r} 3x^4 - 2x + 8 \\ - (6x^4 + 7x + 2) \\ \hline -3x^4 - 9x + 6 \end{array}$ | |

H Add the Polynomials
$$(3x^3 - 4x - 4x^2) + (-8 - 2x^2 + 6x)$$

T Subtract the Polynomials
$$(3x^4 + 8 - 2x) - (2 + 6)$$

A Add the Polynomials
$$(4x^2 + x^4 + 4x) + (4x^2 - 4x^4 + 2x)$$

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Math
with Ms. Rivera

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

Adding & Subtracting Polynomials Task Cards

Adding & Subtracting Polynomials Task Cards Recording Sheet

Name: _____ Date: _____ pd: _____

Directions: Answer each task card. Use the boxes below to show your work.

| | | | | |
|---|---|---|---|---|
| A | B | C | D | |
| F | G | H | I | |
| K | L | M | N | |
| | | | | |
| | | R | S | T |

A Add the Polynomials

$$(4x^2 + x^4 + 4x) + (4x^2 - 4x^4 + 2x)$$

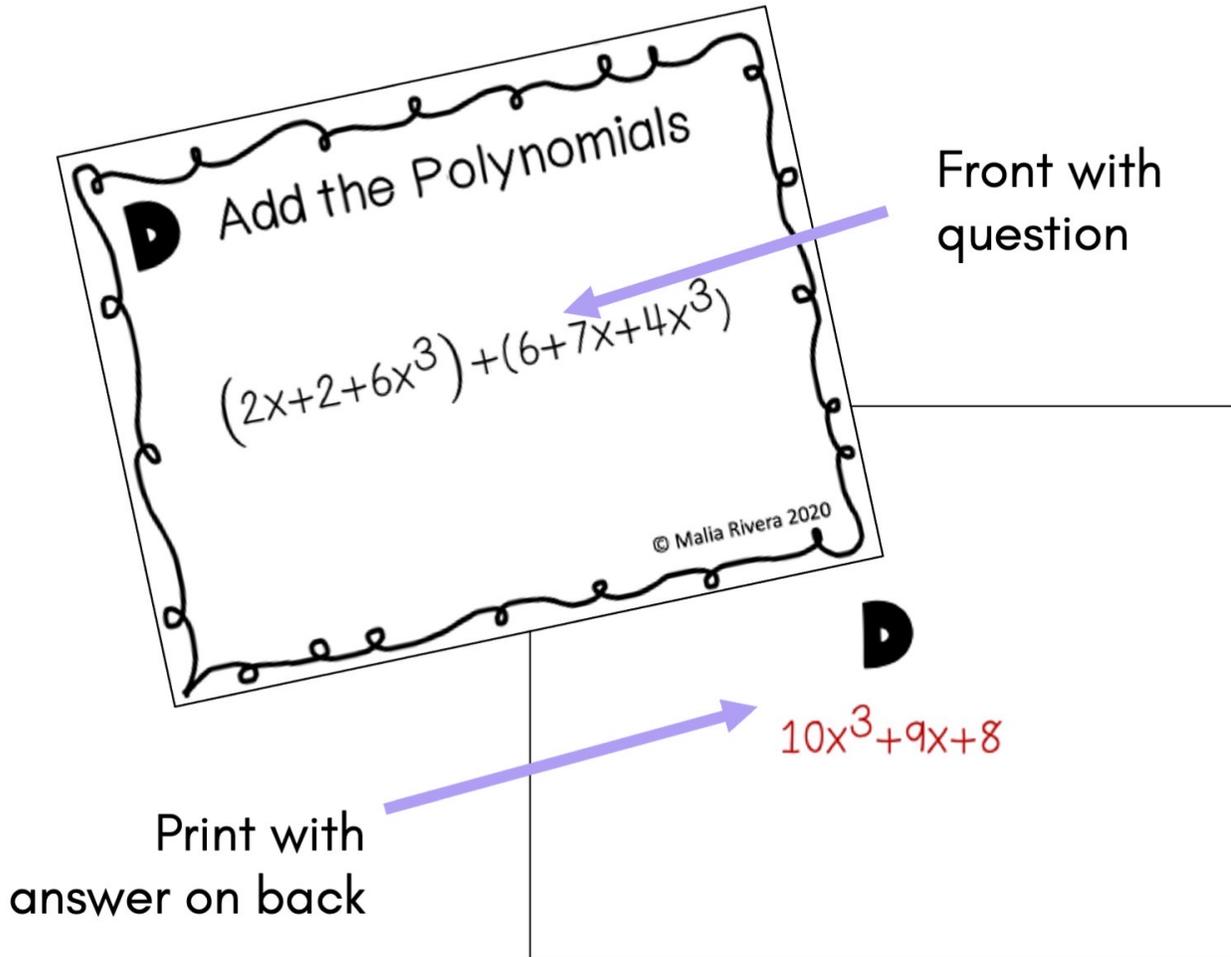
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N Subtract the Polynomials

$$(3x + 3 - 4x^4) - (7x^4 + 4x - 8)$$

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Adding & Subtracting Polynomials Task Cards *includes:*



- ✓ set of 20 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

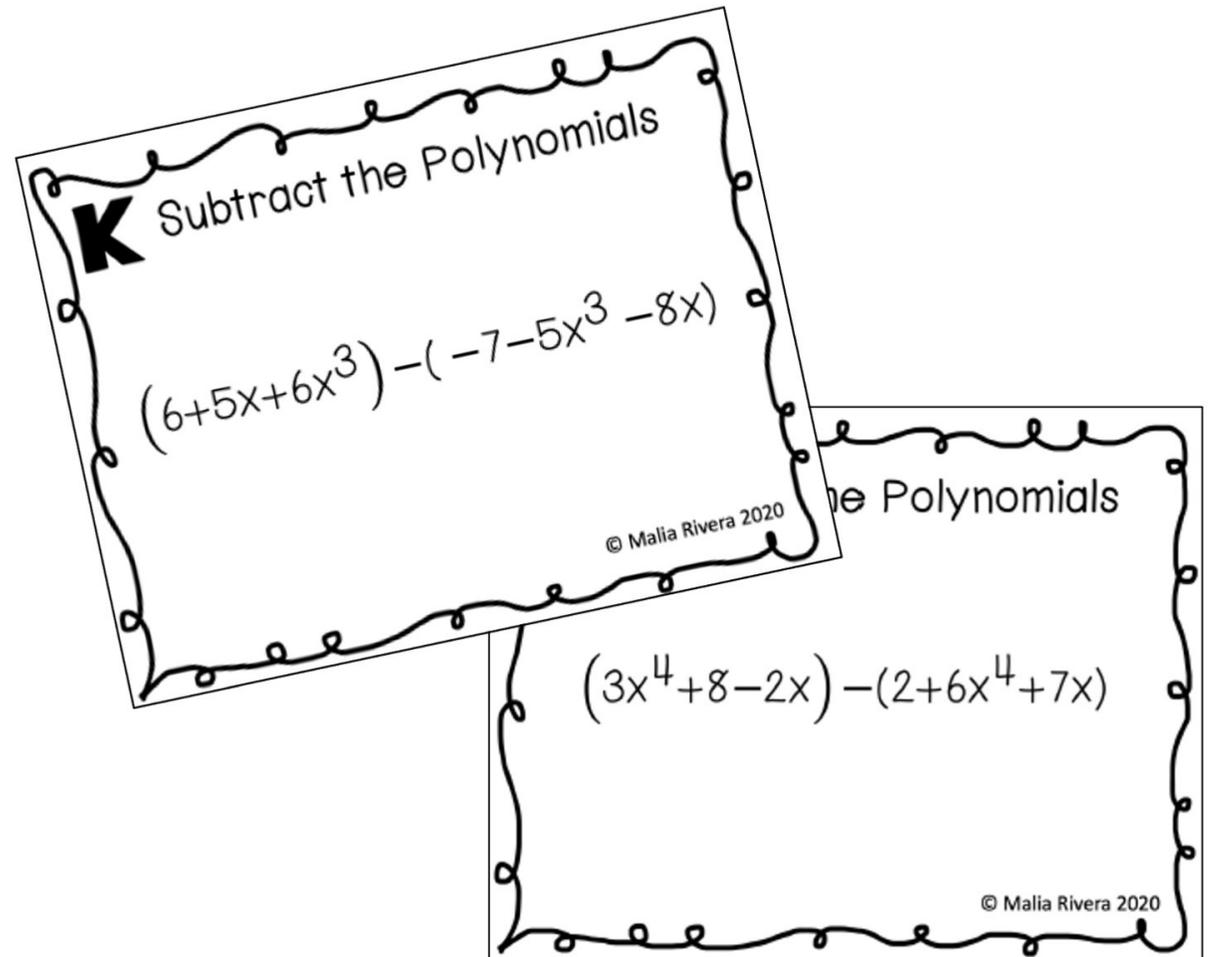
Adding & Subtracting Polynomials Task Cards

standards covered:

CCSS: HSA-APR.A.1

TEKs: A1.10.A

VA SOLs: EO.A.2.b



how to use this resource

This is a great individual practice activity to use when reviewing how to add and subtract polynomials of various degrees.

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

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

Name: _____ Date: _____ pd: _____

ANSWER KEY

Adding & Subtracting Polynomials
Task Cards Recording Sheet

Directions: Answer each task card. Use the boxes below to show your work.

| | | | | |
|--|--|---|--|--|
| <p>A</p> $\begin{array}{r} x^4 + 4x^2 + 4x \\ + -4x^4 + 4x^2 + 2x \\ \hline -3x^4 + 8x^2 + 6x \end{array}$ | <p>B</p> $\begin{array}{r} -7x^4 - x^3 + 0x^2 + 7x + 0 \\ + -9x^4 + 3x^3 + 0x^2 + 0x - 7 \\ \hline -15x^4 + 2x^3 + 7x - 7 \end{array}$ | <p>C</p> $\begin{array}{r} 5x^4 + 5x^3 + 0x^2 + 0x + 1 \\ + 0x^4 + 6x^3 + 0x^2 + 0x + 2 \\ \hline 5x^4 + 11x^3 + 3 \end{array}$ | <p>D</p> $\begin{array}{r} 6x^3 + 0x^2 + 2x + 2 \\ + 4x^3 + 0x^2 + 7x + 6 \\ \hline 10x^3 + 9x + 8 \end{array}$ | <p>E</p> $\begin{array}{r} 3x^4 + 0x^3 + 0x^2 + 0x - 5 \\ + 7x^4 + 4x^3 + 0x^2 + 0x - 5 \\ \hline 10x^4 + 4x^3 - 10 \end{array}$ |
| <p>F</p> $\begin{array}{r} 5x^3 + 0x^2 - 7x + 5 \\ + 7x^3 + 0x^2 - 7x - 7 \\ \hline 12x^3 - 14x - 2 \end{array}$ | <p>G</p> $\begin{array}{r} 3x^3 + 0x^2 - 5x - 3 \\ + 5x^3 + 0x^2 + 3x + 7 \\ \hline 8x^3 - 2x + 4 \end{array}$ | <p>H</p> $\begin{array}{r} 3x^3 - 4x - 4x^2 \\ + (-8 - 2x^2 + 6x) \\ \hline 3x^3 - 2x^2 - 4x - 8 \end{array}$ | <p>I</p> $\begin{array}{r} -6x^4 - 3x^3 + 0x^2 + 7x + 0 \\ - (-5x^4 + 8x^3 + 0x^2 + 4x + 0) \\ \hline -x^4 - 11x^3 + 3x \end{array}$ | <p>J</p> $\begin{array}{r} -2x^4 + 7x + 8 \\ - (2x^4 + 7x + 4) \\ \hline -4x^4 + 4 \end{array}$ |
| <p>N</p> $\begin{array}{r} -4x^4 + 3x + 3 \\ - (-7x^4 + 4x - 8) \\ \hline 11x^4 - x + 11 \end{array}$ | <p>O</p> $\begin{array}{r} 7x^4 + 5x^2 + 0x - 2 \\ - (-7x^4 + 0x^2 + 4x - 8) \\ \hline 14x^4 - 4x + 6 \end{array}$ | | | |

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 they can be used in the future.

H Add the Polynomials

$$(3x^3 - 4x - 4x^2) + (-8 - 2x^2 + 6x)$$

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You may also enjoy...

ADDING & SUBTRACTING POLYNOMIALS

Digital & Print Activity Pack

7 Activities

The cover features a purple header with white text. Below the header, there's a collage of math worksheets and a computer monitor displaying a digital activity. The monitor shows algebra tiles being used to model the expression $(8x + 6 + 5x^2) - (6x + 2x^2 + 6)$. A 'Math with Ms. Rivera' logo is in the bottom left, and '© Malia Rivera, 2024' is at the bottom right.

ADDING & SUBTRACTING POLYNOMIALS

Color by Number Worksheet

Answer key included

The cover has a purple header with yellow text. It shows a worksheet with math problems and a grid where a pixelated character is being revealed. The character has a red and white head and a green body. A 'Math with Ms. Rivera' logo is in the bottom left, and '© Malia Rivera, 2023' is at the bottom right.

ADDING & SUBTRACTING POLYNOMIALS

VIRTUAL ALGEBRA TILES

The cover features a purple header with white text. It shows a laptop screen displaying a virtual algebra tiles interface. The screen shows the expression $(x + 7 - 3x^2) + (4x^2 - 3 - x)$ and a grid of algebra tiles (red for x^2 , blue for x , and yellow for constants). The answer $-x^2 + 4x + 7$ is shown in a dashed box. A 'Math with Ms. Rivera' logo is in the bottom left, and '© Malia Rivera, 2021' is at the bottom right.

Free Algebra Activities!

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!

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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