

7th Grade  
Feb 22, 2021

Today we will:

-do matching  
activity on adding  
linear expressions

-begin video notes if  
done early



HOMEWORK:

Video notes

ALEKS assignment:  
60 min and 5 topics  
due Monday by 11:59pm



$$(3x + 5) + (2x - 6)$$

$$\begin{array}{r} 3x + 5 \\ + 2x - 6 \\ \hline 5x - 1 \end{array}$$

$$(3x + 2x) + 5 - 6$$

$5x$                        $-1$

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$$(3y - 2) + 2(y + 2)$$

$$3y - 2$$

$$2y + 4$$

$$3y - 2$$

$$2y + 4$$

$$\begin{array}{r} 3y - 2 \\ + 2y + 4 \\ \hline 5y + 2 \end{array}$$

WORK - C.L.T.

①

②

③

	0	1
		2
		3
		.
.	.	.
		.
		.
		.
0	0	14.

→ 

Answer

$$\begin{array}{r} 2(x+14) + (2x-14) \\ \underline{2x + 28 + 2x - 14} \\ 4x + 14 \end{array}$$

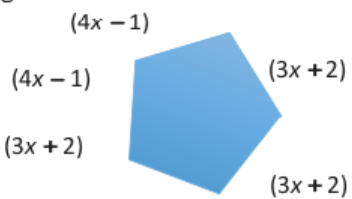
$$\begin{array}{r} 1x + 5 \\ + -4x - 2 \\ + 2x - 1 \\ \hline -1x + 2 \\ -x + 2 \end{array}$$

$$\begin{array}{r} 3x + 6 \\ 3x + 6 \\ 2x - 4 \\ + 2x - 4 \\ \hline 10x + 4 \end{array}$$

$$\begin{array}{r} 4x - 1 \\ 4x - 1 \\ 3x + 2 \\ 3x + 2 \\ + 3x + 2 \\ \hline 17x + 4 \end{array}$$

Name \_\_\_\_\_ Adding Linear Expressions Cut answers column ONLY.

Match to correct problem and glue into binder.

1	$(2x + 3) + (x + 1)$	a.	$x$
2	$10(x - 2) + (6x - 6)$	b.	$-x + 2$
3	$(4x + 8) + (7x + 3)$	c.	$11x + 11$
4	$(-3x + 7) + (-6x + 9)$	d.	$4x - 16$
5	$(x - 10) + (3x - 6)$	e.	$18x - 5$
6	$(-3x - 7) + (4x + 7)$	f.	$3x + 4$
7	$2(x + 14) + (2x - 14)$	g.	$40x + 5$
8	$(11x - 8) + 7(x - 1)$	h.	$8.7x - 1.6$
9	$(x + 5) + (-4x - 2) + (2x - 1)$	i.	$17x + 4$
10	$(-3.5x + 1.7) + (9.1x - 0.3)$	j.	$16x - 26$
11	$(0.5x + 15) + (8.2x - 16.6)$	k.	$-9x + 16$
12. GEOMETRY	A rectangle has side lengths of $(3x + 6)$ inches and $(2x - 4)$ inches. Write an expression to represent the perimeter of the rectangle.	l.	$5.6x + 1.4$
13. FLIGHT	An airline charges $\$(22x + 20)$ for a ticket, $\$(x + 1)$ to check a bag, $\$2x$ for food, and $\$(15x - 16)$ to upgrade to first class. Write an expression to represent the total cost of flying first class, checking a bag, and buying food on the plane.	m.	$10x + 4$
14. GEOMETRY	Write an expression for the perimeter of this pentagon. 	n.	$4x + 14$







7-4  
Ex. 7

## Subtracting Linear Expressions

In the video, he says:

"For subtraction, the way you're going to think about it is, this \_\_\_\_\_, we are going to \_\_\_\_\_ it to all the terms inside. Which means it's just going to turn everything to the \_\_\_\_\_."

Example 3 :

Find each difference.

a)

Try on Your Own:

Find the difference.

5.  $(m-3) - (-m+12)$

b)

6.  $-2(c+2.5) - 5(1.2c+4)$