## Combining Like Terms

Aug 26-11:43 AM

Numerical Coefficient

Any number in front of a Variable in a term. If there is no number in front of the variable, the numerical coefficient is understood to be 1.

Examples

4a 10xy 1b -6x³

Constant

A number on its own that does not Change.

Examples

1 17 -5

May 3-9:21 AM

What are the coefficients in the expression above?

$$19 - 3x + 7x - 1$$

What are the constants in the expression above?

Sep 14-7:08 AM

Sep 14-7:06 AM

## Vocabulary

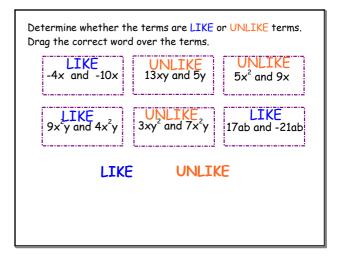
## Like Terms

Terms with the exact same  $\frac{\text{variable}}{\text{variable}}$  or variables raised to the same  $\frac{\text{power}}{\text{variable}}$ .

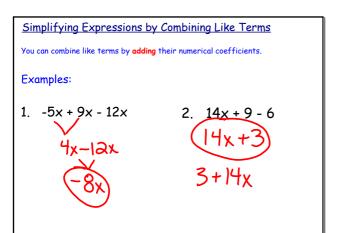
## Examples

4x and -10x 15xy and 17xy

 $-2x^2y$  and  $7x^2y$   $-9xy^3$  and  $13xy^3$ 



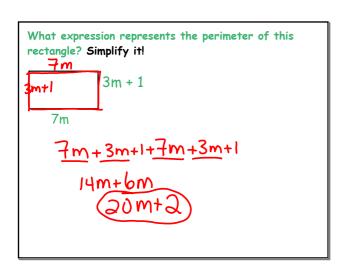
Feb 25-9:00 PM Feb 25-9:19 PM



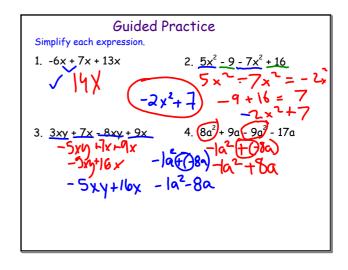
Feb 25-9:25 PM Sep 14-7:13 AM

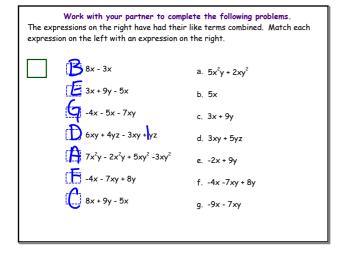
$$-9 + 10x - 12 \qquad 6x - 3 + 4x$$
Are these two expressions the same? Why or why not?
$$10x - 21 \qquad 10x - 3$$

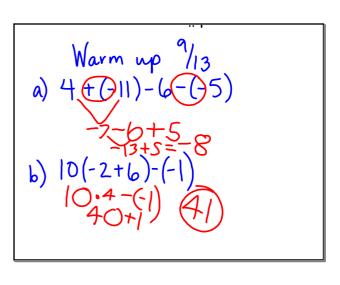
$$7y^2 + 4y \qquad 11y^2$$
Are these two expressions the same? Why or why not?



Sep 14-7:16 AM May 3-12:21 PM







May 3-3:31 PM Aug 31-3:10 PM

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