Notes - Combining Like Terms

Combining Like Terms

Vocabulary

Numerical Coefficient

Any number in front of a _____ in a term. If there is no number in front of the _____, the numerical coefficeint is understood to be __.

Examples

4a 10xy 1b -6x³

<u>Constant</u>

A number on its own that does not _____

Examples

1 17 -5

-14 - 9m + 35m + 6

19 - 3x + 7x - 1

What are the coefficients in the expression above:

What are the constants in the expression above?

Vocabulary

<u>Like Terms</u>

Terms with the exact same _____ or variables raised to the same _____.

Examples

4x and -10x 15xy and 17xy

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

Determine whether the terms are LIKE or UNLIKE terms. Drag the correct word over the terms.



Notes - Combining Like Terms



•••••• 7y² + 4y 11y²

What expression represents the perimeter of this rectangle? Simplify it!



Guided Practice Simplify each expression.	
16x + 7x + 13x	2. $5x^2 - 9 - 7x^2 + 16$
3. 3xy + 7x - 8xy + 9x	4. 8a² + 9a - 9a² - 17a

Work with your partner to complete the following problems. The expressions on the right have had their like terms combined. Match each expression on the left with an expression on the right.



Attachments

Wksht 55.doc

combine-like-terms-worksheet.pdf