

Like Terms of Expressions - REVIEW

terms: Expressions being added and subtracted

Like terms: terms that contain the same variables raised to the same power.

$$4x^2y - 4x^2 + 2y - 3x^2y - 3 + 7$$

Like terms

Like terms

Like terms? (yes or no)

$4x \quad | \quad 3x \quad \underline{\text{yes}}$

$\frac{x^2}{2} \quad -3x^2 \quad \underline{\text{yes}}$

$2x'y \quad 2x'y^2 \quad \underline{\text{No}}$

$2zy \quad zy \quad \underline{\text{yes}}$

multiplying expressions

$(s^2t)(4t)^2$

$s^2t \quad 4^2t^2$
 $16t^4s^2$

bases need to be the same
Exponent Properties

Adding like terms

$3xy^2 + 2y - 2xy^2$

$xy^2 + 2y$

Both

$2x(4x - 3xy) - 3x^2 + 2xy$

$2x(4x) - 2x(3xy) - 3x^2 + 2xy$

use properties

$8x^2 - 6x^2y - 3x^2 + 2xy$

Like terms

$5x^2 - 6x^2y + 2xy$