Vocabulary: Addition of Polynomials

📖 Vocabulary

- <u>Coefficient</u> – a number multiplied by a variable or variables.
    - The coefficient is generally written in front of the variable or variables.
    - For example, the coefficient of $2x$ is 2.
    - A monomial like x can be rewritten as $1x$, so the coefficient of a monomial written without a number is 1.
    - A monomial like $-x^2$ can be rewritten as $-1x^2$, so the coefficient of a monomial with a negative sign in front of it is -1.

- <u>Constant</u> – a number, or fixed value.

- <u>Like terms</u> – monomials that contain the same variables raised to the same exponents.
    - For example, $4x^2$ and $-3x^2$ are like terms.

- <u>Monomial</u> – a number, a variable, or the product of numbers and variables.
    - Some examples of monomials are 7, y^5, $\dfrac{4x}{3}$, and $-9ab^2$.
    - *Monomials* can also be called *terms*.
    - Any exponents in a monomial must be positive integers.

- <u>Polynomial</u> – an expression consisting of one or more monomials added to or subtracted from each other.

- <u>Zero pair</u> – a pair of numbers or monomials whose sum is zero.
    - For example, $-x$ and x are a zero pair, because $-x + x = 0$.