Vocabulary: Addition of Polynomials

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**Vocabulary**

* Coefficient – 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 2*x* is 2.
* A monomial like *x* can be rewritten as 1*x*, so the coefficient of a monomial written without a number is 1.
* A monomial like –*x*2 can be rewritten as –1*x*2, so the coefficient of a monomial with a negative sign in front of it is –1.
* Constant – a number, or fixed value.
* Like terms – monomials that contain the same variables raised to the same exponents.
* For example, 4*x*2 and –3*x*2 are like terms.
* Monomial – a number, a variable, or the product of numbers and variables.
  + Some examples of monomials are 7, *y*5, , and –9*ab*2.
  + *Monomials* can also be called *terms*.
  + Any exponents in a monomial must be positive integers.
* Polynomial – an expression consisting of one or more monomials added to or subtracted from each other.
* Zero pair – a pair of numbers or monomials whose sum is zero.
* For example, –*x* and *x* are a zero pair, because –*x* + *x* = 0.