

Definition

- a combination of numbers, letters, and operations
- one term or the sum of terms whose variables have whole-number exponents

Characteristics

- monomial: polynomial w/ 1 term
- binomial: polynomial w/ 2 terms
- trinomial: polynomial w/ 3 terms

coefficient \rightarrow $3x^2 + 7$ \leftarrow degree
 \uparrow variable

Polynomials

$$7x^2$$

$$13y + 14z$$

$$-8x^8 + 4x^7 - 3x^2$$

$$-21$$

$$18a + 12$$

$$\frac{1}{2}p^3 - 0.75q^4$$

$$5abc$$

Examples

$$\frac{3}{n} + \frac{3}{n^2}$$

$$b^{-7}$$

$$\sqrt{a}$$

$$x^{\frac{3}{2}}$$

Non-Examples