Pre-Algebra

The objective of pre-algebra is to prepare students for the study of algebra. Topics in pre-algebra include operations on real numbers; simplifying expressions; solving first-degree equations, inequalities and application problems; graphing linear equations; simplifying exponents; operations on polynomials; and factoring polynomials.

- Book: Prealgebra (OpenStax)
- Book: Prealgebra (Arnold)
Pre-Algebra I (Illustrative Mathematics - Grade 7)

First terms
Last terms

(ax + b)(cx + d)

Inner terms

Outer terms

Pre-Algebra II (Illustrative Mathematics - Grade 8)

Thumbnail: Animation illustrating Pythagoras' rule for a right-angle triangle, which shows the algebraic relationship between the triangle's hypotenuse, and the other two sides. (Cc BY-SA 3.0; AmericanXplorer13 via wikipedia).