

Review for Calculus

The following topics and skills are essential for calculus. The links take you to handouts used in [Beginning Algebra](#) (green links), [Intermediate Algebra](#) (blue links), [College Algebra](#) (purple links) and [Trigonometry](#) (red links) courses.

[Review of Equations](#) (also includes operations on polynomials)

[Radical Expressions](#)

[The Pythagorean Theorem](#) (and the distance formula) and [Similar Triangles](#)

Factoring by Completing the Square ([Part 1](#), [Part 2](#), [Part 3](#), [Part 4](#))

Factoring methods ([Part 1](#), [Part 2](#))

[The Quadratic Formula](#)

Lines: [Graphing a Line](#), [Writing Equations of Lines](#)

Parabola: Graphing ([Part 1](#), [Part 2](#)) and applications: [Optimization](#) and [Quadratic Inequalities](#)

[Circles](#)

Graphing Polynomials ([Part 0](#), [Part 1](#), [Part 2](#))

Graphing Rational Functions ([Part 1](#), [Part 2](#))

[Rules of Exponents](#)

Rules of Logarithms ([Part 1](#), [Part 1.5](#), [Part 2](#))

[Basic Functions](#)

[Unit Circle Definition of Trigonometric Functions](#)

[Trigonometric Functions](#)

Trigonometric Identities ([Part 1](#), [Part 1B](#), [Part 2](#), [Part 3](#) - compound angles)

[Inverse Trigonometric Functions](#)

[Inverse Trigonometric Expressions](#)