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 1, Part 2)
Graphing Rational Functions (Part 1, Part 2)

Rules of Exponents
Rules of Logarithms (Part 1, 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

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