

**Academic Vocabulary
High School Math**

Algebra I			
asymptote axis of symmetry binomial coefficient consistent system constant function constant of proportionality continuous function	degree (of a term) dependent variable direct variation discrete data exponential decay exponential growth factoring function notation identity	inconsistent system independent variable inequality intercepts of graphs inverse variation linear function linear inequality monomial parabola	parent function quadratic function regression line roots of an equation slope systems of equations vertex (of a parabola) x-intercept y-intercept zeros of a function

Geometry			
altitude angle bisector angle of depression angle of elevation apothem arc axiom bisector central angle of a polygon chord circumcenter circumscribed circle	collinear points concave polygon conclusion concentric circles conditional statement conjecture contrapositive converse convex polygon coplanar points counterexample deductive reasoning	hypothesis inductive reasoning inscribed inverse (of mathematical statement) isometric drawing median (of a triangle) midpoint midsegment oblique orthocenter	orthographic drawing polyhedron postulate Pythagorean triples secant line sector skew lines slant height tangent line theorem trigonometric ratios

Algebra II			
abscissa absolute value function arithmetic mean augmented matrix complex conjugate complex numbers conic section constant of a variation	convergent series Cramer's rule cubic dependent system determinant directrix discriminant ellipse exponential function	focus geometric mean greatest integer function hyperbola imaginary numbers independent system inverse of a function latus rectum	logarithm logarithmic function matrix periodic function quadratic inequality rational function square root function transverse axis

Advanced Mathematics
On the Recommended or the Distinguished High School Plan, students may choose Pre-Calculus, AP Statistics, Calculus, Dual Credit or University level courses for the fourth year of mathematics. The course chosen will determine the advanced academic vocabulary. (On the Recommended Plan, students may take Mathematical Models with Applications prior to Algebra II, which is not available on the Distinguished Plan.)