| **Math Essential Academic High School Vocabulary** | | |
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| **Algebra I** absolute value function ascending/descending binomial degree of a polynomial difference of squares elimination method (for solving a system    of equations) factor a polynomial function notation inequalities intercepts (x & y) irrational numbers line of best fit linear/nonlinear functions (exponential,     quadratic, absolute value) linear systems literal equations monomial parent graph (linear, absolute value,    quadratic, constant) polynomial quadratic equation quadratic formula rate of change rational expression real numbers relations substitution method (for solving a system of   equations) trinomial | **Algebra II** arithmetic/geometric sequences asymptotes completing the square complex numbers composition conic sections conjugate (complex) correlation curve of best fit delta discriminant functions (exponential, polynomial,      logarithmic, etc.) imaginary inverse function logarithm matrix minimum/maximum (relative, absolute) normal distribution curve (Gaussian) parent function (exponential, polynomial,    logarithmic) radical equation sigma standard deviation synthetic division three-dimensional coordinate transformation (algebraic) variance weighted averages zero of a function | **Geometry** altitude angle of depresssion/elevation angle relationships (complementary,      supplementary, etc.) arc (measurement, length, major, minor) central angle chord conditional statements (converse and inverse) congruence conjecture construction (protractor, compass,    straightedge) convex/concave corresponding parts counterexample deductive reasoning distance formula Euclidean/non-Euclidean Geometry inductive reasoning inscribed angles and polygons   circumscribed interior/exterior angles (of a figure) lateral surface area median of a triangle midpoint formula polyhedra proof (formal, paragraph, flow, algebraic) Pythagorean theorem – area model reflexive, symmetric and transitive properties secant line tangent line theorem/postulate/conjecture total surface area transformation (reflection, rotation,    translation) trigonometric ratio (sine, cosine, tangent) |

Source: <http://ok.gov/sde/building-academic-vocabulary#English> aligning with CCSS