| **Math Essential Academic High School Vocabulary** |
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| **Algebra I**absolute value functionascending/descendingbinomialdegree of a polynomialdifference of squareselimination method (for solving a system   of equations)factor a polynomialfunction notationinequalitiesintercepts (x & y)irrational numbersline of best fitlinear/nonlinear functions (exponential,    quadratic, absolute value)linear systemsliteral equationsmonomialparent graph (linear, absolute value,   quadratic, constant)polynomialquadratic equationquadratic formularate of changerational expressionreal numbersrelationssubstitution method (for solving a system of   equations)trinomial | **Algebra II**arithmetic/geometric sequencesasymptotescompleting the squarecomplex numberscompositionconic sectionsconjugate (complex)correlationcurve of best fitdeltadiscriminantfunctions (exponential, polynomial,     logarithmic, etc.)imaginaryinverse functionlogarithmmatrixminimum/maximum (relative, absolute)normal distribution curve (Gaussian)parent function (exponential, polynomial,   logarithmic)radical equationsigmastandard deviationsynthetic divisionthree-dimensional coordinatetransformation (algebraic)varianceweighted averageszero of a function | **Geometry**altitudeangle of depresssion/elevationangle relationships (complementary,     supplementary, etc.)arc (measurement, length, major, minor)central anglechordconditional statements (converse and inverse)congruenceconjectureconstruction (protractor, compass,   straightedge)convex/concavecorresponding partscounterexampledeductive reasoningdistance formulaEuclidean/non-Euclidean Geometryinductive reasoninginscribed angles and polygons   circumscribedinterior/exterior angles (of a figure)lateral surface areamedian of a trianglemidpoint formulapolyhedraproof (formal, paragraph, flow, algebraic)Pythagorean theorem – area modelreflexive, symmetric and transitive propertiessecant linetangent linetheorem/postulate/conjecturetotal surface areatransformation (reflection, rotation,   translation)trigonometric ratio (sine, cosine, tangent) |

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