

MATH

ADVANCED GEOMETRY

9 1 credit 1 term \$3.00

This course is designed for the student who has successfully completed the first year of college-prep algebra in eighth grade. Students learn to value the need to think logically and to present ideas in a logical order. Proofs are introduced in a variety of formats including two-column, paragraph, and indirect forms. Algebra concepts are reviewed to help students strengthen their skills. Algebra integration within coordinate geometry topics and probability and statistics connections are used throughout the course. Students will use the tools of geometry for reasoning and proofs. Parallel and perpendicular lines, congruent triangles, and relationships within triangles will be presented as well as various aspects of quadrilaterals including area and similarity. Surface area, volume, right triangle trigonometry, circles, and transformations topics are also discussed. A scientific or graphing calculator is strongly recommended for this course.

ALGEBRA IA

9 1 credit 1 term \$3.00

This course is designed for the postsecondary college, vocational, or technical student. Basic concepts and properties of algebra are introduced early to prepare students for equation solving. Concepts and skills are introduced algebraically, graphically, and numerically to help students make connections. Topics include solving and graphing equations and inequalities, solving systems of linear equations and inequalities, exponents, exponential functions, polynomials, factoring, quadratic equations, radical and rational equations. A scientific or graphing calculator is strongly recommended for this course.

ALGEBRA IB

9 1 credit 1 term \$3.00

This course is designed to provide an accessible approach to algebra for students that struggle with understanding math. Topics include solving and graphing equations and inequalities, solving systems of linear equations and inequalities, exponents, exponential functions, polynomials, factoring, quadratic equations, radical and rational equations. A scientific or graphing calculator is strongly recommended for this course.

FUNDAMENTALS OF ALGEBRA I

9 2 credits 2 terms \$6.00

The students in this class are enrolled in algebra for the entire year (two terms) and will receive two math credits. Algebra topics will be introduced at a slower pace along with an intervention of pre-algebra topics. Topics include solving and graphing equations and inequalities, solving systems of linear equations and inequalities, exponents, exponential functions, polynomials, factoring, quadratic equations, radical and rational equations. A scientific or graphing calculator is strongly recommended for this course.