

MATH 4

Intermediate Algebra (3) Algebraic expressions; linear, absolute value equations and inequalities; lines; systems of linear equations; integral exponents; polynomials; factoring. This course may not be used to satisfy the basic minimum requirements for graduation in any baccalaureate degree program.

Prerequisite: basic arithmetic skills or satisfactory performance on the mathematics proficiency examination

TOPICS

Evaluation of algebraic expressions involving integers and rational numbers.

Simplification of algebraic expressions.

Solution of linear equations.

Solution of literal equations.

Word problems which reduce to a single linear equation.

Graphs of linear equations.

Slopes and equations of lines.

Solution of absolute value linear equations.

Solution of linear inequalities.

Solution of absolute value inequalities.

Solution of systems of linear equations.

Word problems which reduce to two simultaneous linear equations.

Properties of positive integral exponents.

Addition and subtraction of polynomials.

Multiplication and division of polynomials.

Factoring (special products, trinomials, grouping).

Solution of equations using factoring.