

Truckee Meadows Community College
Department of Mathematics
Math 095: Elementary Algebra
(3 credit hours)

Catalog Course Description: This is a first course in algebra. Topics covered include a review of the basic number systems and their properties and operations, algebraic expressions, linear equations and inequalities in one and two variables, polynomials and integer exponents, and solving quadratic equations by factoring.

Pre-requisites: A letter grade of C or better in MATH 093 or equivalent or qualifying ACCUPLACER, ACT/SAT test results.

Calculator: A TI-83 or TI-84 is recommended for this course.

Course Objectives/Learning Outcomes: at the completion of the course students will:

1. Perform operations of real numbers by applying the properties of real numbers
2. Translate English into algebraic expressions.
3. Simplify and evaluate algebraic expressions.
4. Form and solve linear equations and inequalities in one variable.
5. Solve and graph linear equations and inequalities in two variables.
6. Solve systems of linear equations in two variables.
7. Apply concepts of linear equations to solve applications.
8. Apply the rules/properties of exponents and use scientific notation.
9. Perform polynomial operations.
10. Perform polynomial factoring.
11. Solve quadratic equations by factoring.

Students with Disabilities Statement:

Qualified, self-identified students with documented disabilities have the right to free accommodations to ensure equal access to educational opportunities at Truckee Meadows Community College. For assistance, contact TMCC's Disability Resource Center at 775-673-7277, TTY 775-673-7888, come by the Red Mountain Building, room 315 B or visit www.tmcc.edu/drc.

Student Conduct Policy: Truckee Meadows Community College encourages all students to pursue academic studies and other college sponsored activities that promote intellectual growth and personal development. Students are responsible for complying with Nevada System of Higher Education (NSHE) and college guidelines. TMCC has an obligation to maintain conditions under which the work of the college can go forward freely, in accordance with the highest standards of quality, institutional integrity and freedom of expression. These standards, procedures for reporting infractions, and processes for addressing complaints and allegations are available on the TMCC web site, college catalog (appendix L) and the office of the associate dean of students (RDMT 120, 673-7114).