

Truckee Meadows Community College  
Department of Mathematics

**Math 126: Pre-Calculus I**  
(3 credit hours)

**Catalog Course Description:** The study of equations and inequalities involving radical, rational, quadratic or absolute value terms. Also includes polynomial, rational, exponential and logarithmic functions, their graphs and applications.

**Pre-requisites:** C or better in MATH 096 or equivalent or qualifying ACCUPLACER, ACT/SAT test results. A TI-83, TI-84 or better graphics calculator is required for this course.

**Course Outcomes:** At the completion of this course, students will be able to:

1. Solve equations and inequalities over the real numbers.
2. Analyze graphs and functions.
3. Apply concepts of functions to real-life applications.
4. Evaluate and solve problems using functions types of:
  - Quadratic
  - Polynomial
  - Exponential
  - Logarithmic
  - Rational
5. Solve a system of linear equations using matrices.
6. Use a graphing calculator as an aid to problem solving.

**Students with Disabilities Statement:** Qualified students with documented disabilities have the right to free accommodations to ensure equal access to educational opportunities at Truckee Meadows Community College. For assistance and clarification of services provided under the ADA, contact the Disability Resource Center, Red Mountain Building Rm. 315, (673-7286).

**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).