

Students enrolling in MATH 1050 should be fluent in:

- arithmetic with whole numbers and rational numbers,
- solving linear equations,
- solving quadratic equations by factoring or completing the square,
- setting up linear or quadratic equations from basic word problems,
- plotting and interpreting plotted points in the xy -plane,
- putting linear equations into slope-intercept form and graphing them,
- graphing parabolas from quadratic functions,
- simplifying polynomial and rational expressions,
- simplifying exponential expressions using the laws of exponents.

Students enrolling in MATH 1050 should be familiar with:

- the concept of a function,
- the notions of domain and range (including writing them in interval notation),
- the connection between roots and factors of polynomials,
- simplifying radical expressions,
- systems of linear equations.