

The Core Program

Pre-Calculus Assessment Form

Enrollment for Pre-Calculus is limited to students who are at least 16 by October 1.

Fill out this form and bring it with you to the assessment along paper, eraser, and several pencils. Calculators are optional.

Family Information

Student Name _____

Parent Name(s) _____

Student Birthdate _____ Current Grade _____

Parent E-mail Address _____

Math course student is attempting to test into _____

Current Math Curriculum _____ Level of Mastery _____

Pre-Calculus Assessment Information

The assessment for entrance into Pre-Calculus will test students' ability to:

- simplify expressions with multiple terms including numbers, variables, radicals and exponents
- graph linear and absolute value equations
- solve linear and absolute value equations
- identify the slope of a line and write the equation of a line
- translate a word problem with two unknowns into an equation or system of equations
- solve a linear system in two or three variables using graphing, substitution, elimination, or matrices
- use function notation
- evaluate functions and composition of functions
- determine domain and range of a function
- find the zeros of a function
- solve exponential and radical equations
- graph quadratic equations
- factor quadratic equations
- solve quadratic equations using factoring and the quadratic formula
- add, subtract, and multiply complex numbers
- find zeros of a polynomial function
- use the properties of logarithms to expand, condense, and simplify expressions
- solve logarithmic equations
- simplify rational expressions using factoring and cross-cancelling
- solve rational equations with one variable