

# Pre-calculus (Trig M/A)



## Prerequisite Courses

- Math 8 or Algebra Part 1
- Algebra 1
- Geometry
- Algebra 2

## Student Testimonials

Click Name

Katherine

Michael

Noemi

## Program of Studies Key Concepts

## Homework Expectations

- 60- 90 minutes per 90 minute class

## Basic Supplies

- TI-83 or TI-84 Calculator
- Pencils, Erasers
- Lined paper
- Ruler, Graph Paper
- Colored pencils/ highlighter

		<u>Prerequisite Essential Concepts</u>
<ul style="list-style-type: none"> <li>• Algebra               <ul style="list-style-type: none"> <li>Sequences and series</li> <li>Exponents and logarithms</li> <li>Binomial Theorem</li> </ul> </li> <li>• Functions, Equations &amp; Inequalities               <ul style="list-style-type: none"> <li>Concept of a function</li> <li>Graph of a function</li> <li>Transformations of graphs</li> <li>Reciprocal Function</li> <li>Quadratic Function</li> <li>Absolute Value Function</li> <li>Rational Function</li> <li>Exponential Function</li> <li>Logarithmic Function</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Polynomial Functions               <ul style="list-style-type: none"> <li>Concept of a polynomial</li> <li>Zeros of a polynomial</li> </ul> </li> <li>• Circular Functions and Trigonometry               <ul style="list-style-type: none"> <li>Radian Measure</li> <li>Unit Circle</li> <li>Circular Functions</li> <li>Graphs of Trigonometric Functions</li> <li>Trigonometric Identities</li> <li>Trigonometric Equations</li> <li>Solution of Triangles                   <ul style="list-style-type: none"> <li>Special Right Triangles</li> </ul> </li> <li>Real World Application Problems</li> <li>Inverse Trigonometric Functions</li> <li>Law of Sines and Cosines</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Strong Algebra 2 skills</li> </ul>