I. Course Summary
The objective of this course is for students to learn the fundamentals of Pre-Math Analysis, in preparation for additional study in Math Analysis HL. Successful completion of this course along with Math Analysis SL and or Math Analysis HL will prepare students to take the IB SL or HL examination. There may be projects assigned during the course which will help students prepare for the internal assessment which are a requirement for the mathematics SL and HL courses. The expectation is that all students have successfully completed an algebra 2 course or its equivalent prior to enrollment. There may be an opportunity to earn college credit by successfully completing the CLEP test at the end of the course.

II. Units of Study
Topics covered may include polynomial, rational, exponential and logarithmic functions, trigonometric equations, trigonometric identities, trigonometric functions, systems of equations, matrices, sequences, series, probability and analytic geometry.

III.   Standards and IB DP Aims
It is the aim of all IB Diploma math courses to develop logical, critical and creative thinking as well as patience and persistence in problem solving. For a complete list of all aims please refer to the IB Math SL Subject Brief at http://www.ibo.org/globalassets/publications/recognition/5_mathsl.pdf

IV. Text/Resources
The text for this class is Pre-Calculus with Limits – Larson and Hostetler copyright 2007. Additional required materials are pen/pencil, folder/notebook, graphing calculator and a charged IPad. These materials are to be brought to class daily. A limited number of TI Graphing calculators are available for check out. Additional information can be found on Schoology.

V. Methodology
In this course the students will have the opportunity to understand and appreciate both the practical use of mathematics and its aesthetic aspects. They will be encouraged to build on knowledge from prior learning in mathematics and other subjects, as well as their own experience. Students will develop mathematical intuition and understand how they apply mathematics in life.
Extra Help
Use your resources! Instructional videos in the Schoology, practice worksheets, Khan Academy, siblings/friends. If you have more homework questions, or want to study I will be available after school from 3:00-3:45pm on Wednesdays and Thursdays or in the morning by appointment.

VI. Methods of Assessment
Grades will be based upon the percentage of points earned. Points may be earned through both formative (20%) and summative (80%) assessment. The formative assessment will consist of homework and class work while the summative assessment may include projects, quizzes and tests. Some of the test questions will come from released IB Math SL External Assessment questions in order to become familiar with the format. For additional details please see the school grading policy which can be found on Highland's website under student resources. As this is not a Diploma Level testing course there will not be an IB grade given.

VII. Expectations
- Be Respectful
- Be Responsible
- Be Safe

Academic Honesty: Highland Park High School expect all students to understand the meaning of academic honesty and demonstrate it in all aspects of their learning. In this class, it is expected that you do not give, receive, or tolerate unauthorized aid in your work. The full policy can be found on the HPSH website.

I can be most easily reached via e-mail at kelly.schleper@spps.org. For the status of assignment completion and class grades please use Schoology.