

Pre-Calculus 12
Course Outline 2015

Mr. Easton
Horton High

The Pre-Calculus 12 course is the second course in the Advanced mathematics pathway. It is a pre-requisite for Calculus 12. The Advanced pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into post-secondary programs that require the study of theoretical calculus. Successful completion of Pre-Calculus 11 is required. Pace is much faster than academic math courses. Problem solving and critical thinking skills will be emphasized. Regular practice and homework is an expectation.

Chapter 1: Function Transformations	Evaluation Quizzes/Assignments/Projects 25% Unit Tests 50% Final Exam 25%
Chapter 2: Radical Functions	
Chapter 3: Polynomial Functions	
Chapter 4: Trig and the Unit Circle	
Chapter 5: Trig Functions and Graphs	
Chapter 6: Trig Identities	
Chapter 7: Exponential Functions	
Chapter 8: Logarithmic Functions	
Chapter 9: Rational Functions	
Chapter 10: Function Operations	
Chapter 11: Perms, Combs & Binomial Theorem	

Daily Required Materials

- textbook
- pencil, pen & eraser
- grid paper
- notebook or binder
- graphing calculator
- ruler

Textbook: Pre-Calculus 12, McGraw-Hill Ryerson

You will need to either BUY or RENT a graphing calculator for your use at home. Calculators are available for rental for \$15 for one semester. There are calculators available for in-class use.

Expectations:

- All work is to be done neatly, preferably with pencil. You must clearly show how you arrive at answers. All work should be completed, marked (if possible) and corrected by the student.
- Extra help is available at lunch. Do not wait until the day of the test to seek help.
- Be on time for class. If you arrive late to class and the door is closed, wait for the teacher to let you in.
- Use class time wisely. Students are expected to be ready to start at the beginning of class, required to work until the end of class, and any remaining work is to be finished at home. If finished early, the student is expected to review previous material.
- Cell phones must not be a distraction during class time.
- Hats are to be removed upon entering the classroom.

Procedure when absent...

...from a regular class: If you have been away from a regular class, you are required to obtain missed notes and work from a fellow student or from the website. In the case of a prolonged absence you must make arrangements to collect missed notes and work. The teacher may be consulted prior to an absence for assistance or missed work. Absenteeism is not a valid excuse for missed work.

Assignments and notes are your responsibility. **Check the website to see what you missed.**

...from an evaluation: If the absence is excused, then you will write the quiz or test at the earliest possible date (at the teacher's discretion). Students who miss a test for extra-curricular activities, medical appointments or other extenuating circumstances are expected to make alternative arrangements prior to the test date. A legitimate note upon a student's return to class must explain an unexpected absence from a test (i.e. illness).

Extra help

Extra help is available during the lunch hour.

Use the website!

Assigned work and some notes, as well as important dates are posted on the website each day. Check the website regularly, especially if you have missed a class.

**The information on this outline is subject to change.*