Pre – Calculus 12

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Course Description: Pre – Calculus 12 is a continuation of the work begun in Foundations and Pre – Calculus 10. This course is designed to continue students' learning of the broad topics of algebra and trigonometry using the outcomes and achievement indicators published in *The WNCP Common Curriculum Framework for Grades 10 – 12 Mathematics, January 2009*. A detailed summary of the BC math curriculum can be obtained at the BC Ministry of Education website: http://www.bced.gov.bc.ca/irp

Textbook: Pre – Calculus 12, McGraw-Hill Ryerson, 2012.

Course Content: (not necessarily in this order)

Transformations and Functions	Trigonometry and Unit Circle	Exponential and Logarithmic Fct
	Trigonometric Functions	Rational Functions
Radical Functions	Trigonometric Identities	Combinatorics

Polynomial Functions

Assessment and Evaluation: Formal assessment is made up of tests, quizzes and projects. The primary use of the assignments is for the student and teacher to gauge their level of understanding of course material prior to a test and for practice. Tests are conducted to determine students' level of understanding. Students should keep a record of their marks using a marks page. Tests will be given at the end of each major concept. Quizzes will be given on a regular basis and will be announced or unannounced. Unexcused absences will result in a mark of ZERO for that test or quiz. Excused students will be expected to write missed tests immediately upon return.

Evaluation: Tests 80 %
                 Quizzes, Homework/Classwork Assignments, and Projects 20 %
Final Grade Calculation: First Term: 25% ; Second Term: 25% ;Third Term : 25% ;Final Exam: 25%

Homework / Classwork Assignments: Students will receive assignments daily. A running list of homework assignments will be available for the students. Assignments will be periodically checked and used towards the term mark. Students must come to class prepared to discuss and submit their work. Students' work must be shown clearly and neatly (answers alone will receive no credit), completed it in pencil, marked and corrected.

Preparedness: Students are expected to be prepared for their math class. Students must:
- Come to class on time (no lates)
- Bring all materials to class every day
- Stay on task and participate constructively in class activities

Absences & Missed Assessments: All absences from class must be excused by a phone call to the office on the day of absence. Students are responsible for checking the class website or with a peer's notes in order to catch up on what homework was missed. If a QUIZ or INVESTIGATION or TEST is missed, please see your teacher upon your return to school to make arrangements. If this is not completed, a mark of ZERO may be given.

Materials: Students must bring the following to every class:
- A three – ring binder with loose – leaf lined paper, graph paper, and dividers
- Pencils, pens, eraser, and ruler
- TI-83 Plus, or TI-84 graphing calculator (Mandatory)
- Textbook

Classroom Behaviour: Mature and considerate behaviour is expected in class. The students should be courteous, cooperative, and respectful to others. This includes listening when appropriate, staying on task, and keeping talk quiet and relevant to your work. Students must keep all food and drink out of the classroom. Bottled water is the only exception. Cell phones should not be seen or heard at any time in the classroom.

Extra Help: The Math Department publishes a schedule of the extra help times. The schedule is posted in every math classroom and students are welcome to see any math teacher for help. Other times may be arranged by appointment.

As with all rules, I realize there might be some exceptions due to unusual circumstances. Feel free to speak to me before or after class. In all cases, I encourage you to see me for help before the problem gets too big. I truly believe that, if you pay attention in class, complete your assignments and study for tests and quizzes, you will succeed.

Good luck and let's have a great year!