Pre-Calculus 11

The **main goals of mathematics education** are to prepare students to:
- solve problems
- communicate and reason mathematically
- make connections between mathematics and its applications
- become mathematically literate
- appreciate and value mathematics
- make informed decisions as contributors to society

Workbook: *Theory and Problems for Pre-Calculus Mathematics 11* (Mickelson)

> * a $20 deposit is required for the Workbook. Students can either write directly into the textbook (and forfeit the $20) or keep it in its original condition (in which case they will be refunded at the end of the course) *

Equipment Needed:
- pencil
- eraser
- scientific calculator
- graphing calculator (borrow one from me)

Course Content:
- Absolute Value and Radicals (Chapter 1)   **FLIP method**
- Rational Expressions (Chapter 2)   **?**
- Trigonometry (Chapter 3)   **GB method**
- Factoring and Functions (Chapter 4)   **?**
- Quadratic Functions (Chapter 5)   **GB method**
- Quadratic Equations (Chapter 6)   **GB method**
- Systems of Equations (Chapter 7)   **FLIP method**
- Sequences and Series (Chapter 8)   **FLIP method**
- Problem Solving (throughout the entire course)

Marks Breakdown:
- Tests (65%)
- Quizzes (10%)
- Homework Assignments (10%)
- Projects / Problem Solving Assignments (15%)

Examinations:
- Midterm Examination (doubtful)
- Final Examination (20% of the entire year)