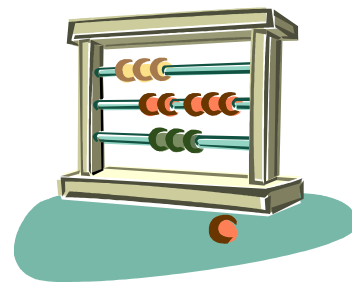


# MATH 12 Foundations

COURSE OUTLINE  
Dr. Paramvir Singh



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Room #: \_\_C003\_\_

## COURSE GOALS

The general objectives of Foundations of Mathematics 12 are to develop number sense in financial applications, logical reasoning, critical thinking skills related to uncertainty, algebraic and graphical reasoning through the study of relations, and an appreciation of the role of mathematics in society.

The following mathematical processes have been integrated throughout the course: communication, problem solving, connections, mental mathematics and estimation, reasoning, technology, and visualization. Foundations of Mathematics 12 is designed to prepare students for entry into post-secondary programs that do not require the study of theoretical calculus.

## TEXTBOOK:

Foundations of Mathematics 12

## MARKS DISTRIBUTION:

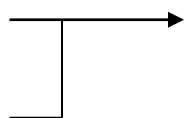
### Term Mark

Chapter Tests

70%

Quizzes

30%



### Final School Mark

A	86-100%
B	73-85%
C+	67-72%
C	60-66%
C-	50-59%
I/F	Below 50%

## EQUIPMENT & SUPPLIES:

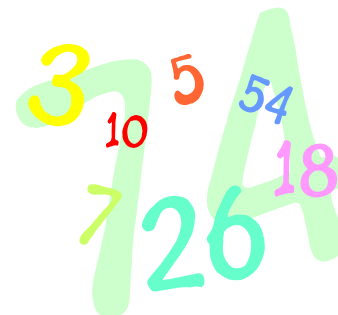
- Textbook and Workbook
- 3 ring binder (1½ inch) with LOTS of lined and graph paper
- Pen, pencils, eraser, ruler, highlighter
- Agenda
- Graphing Calculator

## COURSE OUTLINE:

1. Investing Money
2. Borrowing Money
3. Set Theory & Logic
4. Counting Methods

### \* MIDTERM \*

5. Probability
6. Polynomial Functions
7. Exponential & Logarithmic Functions
8. Sinusoidal Functions



## HOMEWORK

Homework will be assigned on a regular basis. There is an expectation that it will be finished and completed fully – this means that you have shown your work, made an effort to attempt all questions, and checked your answers to ensure you understood the homework objectives. Homework checks will be completed periodically throughout the semester.



0 – 1 incomplete assignments = G  
2 – 4 incomplete assignments = S  
5 or more incomplete assignments = N

## CLASSROOM EXPECTATIONS

### Behavior:

- ♦ Come to class on time with all of your supplies.
- ♦ Behave in a responsible, considerate, **RESPECTFUL** manner when dealing with peers, classroom and/or substitute teachers.
- ♦ No food, drinks (exception: water bottles) or hats are permitted.
- ♦ **NO CELL PHONES or IPODS are to be seen or heard during class. First offence, warning, second offence, confiscated until the end of the day, 3<sup>rd</sup> offence, confiscated and sent to the office for pick up.**

### Consequences:

- ♦ Failure to follow the above expectations will result in appropriate action being taken.
  1. You will be reminded on the rule
  2. I will discuss the ongoing problem with you during an after school detention
  3. Your parents/guardians will be notified
  4. A referral will be made to the counselors/administration

### Attendance:

- ♦ Students are expected to arrive to class **on time**. Arriving late is rude and wastes time. If you arrive late to class please wait quietly outside the class until I feel it is appropriate for you to enter.
- ♦ Regular attendance is extremely important! If you miss a class, **you are responsible** for the work done. This includes copying notes and completing any work assigned during the missed class **before** the next class.
- ♦ With a note from home excusing your absence, you may write any missed tests/quizzes upon your return to class. The note must **explain** your absence, be **signed and dated by a parent/guardian** and have a **phone number** that I can reach them at.
- ♦ It is as important to attend class as it is to be in class 100% of the time. *As a result, bathroom privileges are rarely granted.*
- ♦ **Late assignments are unacceptable.** If an assignment is not completed on time, then you will be required to complete it during lunch or after school, unless you have made prior arrangements with me.
- ♦ **Cheating is unacceptable** and will result in *an **INCOMPLETE** for all parties involved.* Cheating includes:
  - ❖ Copying or allowing someone to copy on a test or quiz
  - ❖ Using a cheat sheet on a test or quiz
  - ❖ Copying or allowing someone to copy and assignment or lab either in whole or in part
  - ❖ Copying directly from the text or other resource

