



LISGAR COLLEGIATE INSTITUTE

DEPARTMENT: Mathematics

COURSE NAME: Grade 10 Academic Mathematics

COURSE CODE: MPM2D/G

OVERVIEW

This course enables students to broaden their understanding of relationships and extend their problem-solving and algebraic skills through investigation, the effective use of technology, and abstract reasoning.

COURSE CONTENT

Students will explore quadratic relations and their applications; solve and apply linear systems; verify properties of geometric figures using analytic geometry; and investigate the trigonometry of right and acute triangles. Students will reason mathematically and communicate their thinking as they solve multi-step problems.

EVALUATION

1. Linear Systems	15 %
2. Coordinate Geometry	20 %
3. Quadratics	40 %
4. Trigonometry	25 %

SUMMATIVE

An in-class, board-wide summative task will take place near the end of the course and will be worth 10% of the final grade. The date for the summative will be set by the board and will take place in early January, 2012.

EXAM

The final exam will be written during the formal exam period and is comprehensive. It is a board-wide examination and is worth 20% of the final grade.

ASSESSMENT METHODS

Students will be assessed through regular tests, quizzes, assignments and group work.

SUPPLEMENTARY NOTES

Text: Mathematics 10, Nelson

Everyone will be assigned their own textbook. If you lose or damage your textbook the replacement cost is \$75

Homework:

The importance of regular completion of homework cannot be overemphasized.

Guidelines for homework:

- Record the homework assigned in your planner at the end of each lesson
- Keep homework separate from the class notes.
- Date, text reference, and the lesson number must be written at the beginning of each homework assignment.
- Questions must be numbered as they are in the text.
- Answers should be verified with the given answers at the back of the text.
- For homework to be considered complete, an attempt on each question must be shown at the very least.

Attendance:

If you are absent from class, you are expected to catch up what you missed and complete any relevant homework. When you return to class, you must show your teacher an Absence Verification Form.

If you know in advance that you will be absent for a test, please see your teacher **before** the scheduled test date to arrange an alternate time to write it.

If you are unexpectedly absent for a valid reason on the day of a scheduled test, please let your teacher know why. When you return to class, remember to show an Absence Verification Form from your homeroom teacher and a note from your parents indicating that they are aware you missed the test. An **unjustified absence** for a test will result in a **mark of zero**.

Extra Help:

See your teacher about arranging a mutually convenient time for extra help. There is also math help available in room 203 every day at lunch. You may also go to the guidance office for a list of volunteer and professional tutors.