



Secondary 5 TS Math (2019-2020)

Teachers: Mr. N. Lam **Voice Mail:**(514) 486-1101 ext. 667 **Email:** lamn@loyola.ca

Textbook: In addition to the teacher handouts and class notes, students will be assigned the daily video lessons and homework on Math Help Services <http://math-help-services.org>

Supplies: Loose-leaf, graph paper, pencils, eraser, ruler, scientific calculator (non-graphing)

Evaluation:	Term 1 (20%)	Term 2 (20%)	Term 3 (60%)
Competency 1 → 30% “Solves a Situational Problem”	Term Evaluation (30%)	Term Evaluation (30%)	Term Evaluation (30%)
Competency 2 → 70% “Uses Mathematical Reasoning”	Homework, Quizzes and Assignments (20%)	Homework, Quizzes and Assignments (20%)	Homework, Quizzes and Assignments (10 %)
	Class Tests (50%)	Class Tests (50%)	Class Tests (30%) End of Year Exam (30%)

The overall grade for the course will be calculated as follows:

- Term 1 → 20%
- Term 2 → 20%
- Term 3 → 60%

Homework: Homework is assigned daily (20-30 minutes). Please note the review and practice of daily work is essential to understanding and retaining the information taught. Failure to complete homework may result in loss of marks and/or disciplinary action.

Assignments: Assignments will be given throughout each term. They must be completed and submitted to the teacher on time at the beginning of classes. **NO LATE ASSIGNMENTS** will be accepted. Students who do not submit an assignment on time will receive a grade of 0%.

Quizzes: Quizzes are given without prior warning to evaluate day-to-day understanding of the material. If a student is absent for any quiz because of an illness or unexpected reasons, **he must make arrangements to write the test on the first day back in school.** Otherwise, the student will receive a grade of 0%.

Tests: There are approximately 3 tests given each term. Tests must be completed in pencil and occasionally may be completed without the use of a calculator. If a student is absent for any class test because of an illness or unexpected reasons, **he must make arrangements to write the test on the first day back in school.** Otherwise, the student will receive a grade of 0%. Students who miss tests will be asked to provide a doctor's note upon return to class.

Extra help: Extra help is offered after school. Be sure to check teacher availability and location on Moodle. Students can also make individual appointments with their teacher.

Course Content:

Conics

- Circles and Ellipses

Real Number Functions

- Quadratic Function
- Absolute Value Function
- Square Root Function
- Greatest Integer Function
- Rational Function
- Piecewise Function

Exponential and Logarithmic Functions

- Graphing and Properties
- Growth and Decay
- Compound Interest
- Simplifying Logarithmic Expressions
- Solving Logarithmic Equations

Optimization

- System of Inequalities
- Polygon of Constraints
- Optimization of a Situation

Trigonometry

- Arc Length
- Sine Function
- Cosine Function
- Trigonometric Word Problems
- Trigonometric Identities
- Trigonometric Equations

Any questions or concerns should be addressed to Mr. Lam as soon as possible. Thank you and the best of luck during this academic year.