

Material Covered:

Mathematics 9 is an academic course leading to either Math 10 Essentials, Math 10 Applied or Math 10 Principles.

The course is comprised of the following 8 Units:

- Numbers, Powers & Roots
- Patterns & Equations
- Problem Solving
- Polynomials
- Special Products & Factoring
- Measurement
- Shape & Space
- Statistics and Probability

Textbook:

The course uses the text *MathPower 9*.

(0-07-552653-0, McGraw Hill Ryerson)

Notebook:

Your notebook should be neatly organized, as this will help you study for tests. Label the unit and topic headings clearly at the top of the page. Answer questions fully, so that the information makes sense and can be used later for studying. Show which textbook and which page number the information comes from so you can look it up again easily.

Grading:

This course works on a mastery system. You must pass the mastery tests in each unit to the 80% level before you can go on. In addition, there are cumulative tests from time to time. These are tests you can only take once, so studying before them is essential to do well. Your final mark for the course is based 60% on the mastery unit tests and 40% on the cumulative tests.

Goal:

The goal of this unit is to increase your skills with numbers, powers and roots.

Objectives:

While completing this unit you will investigate the following topics and practice working with

- Estimating and calculating square roots.
- Exponents and powers.
- The Exponent Rules.
- Zero and negative exponents.

What to Do in this Unit:

- Read and follow the example problems at the beginning of each section, then do the practice problems on the pages in the table below. Be sure to tick off each section as you complete it.

Mathematics 9		
✓	Unit	Practice by doing these questions
	1.1	P.10 odds #1-55
	1.2	P.13 #1-12, 13, 15
	1.3	P.15 #1-6
	1.4	P.17 odds #1-65, 69, 70
	1.5	P.21 odds #1-49
	1.7	P.25 odds #1-21, 23, 24
	1.8	P.28 odds #1-75, 77 odds
	1.9	P.34 odds #1-59
	1.11	P.38 odds #1-67

- When you are ready, ask your teacher for the Unit 1 Test. Remember, you must get 80% to pass, so studying hard is essential to do well.