

September 2011 - MPM1D

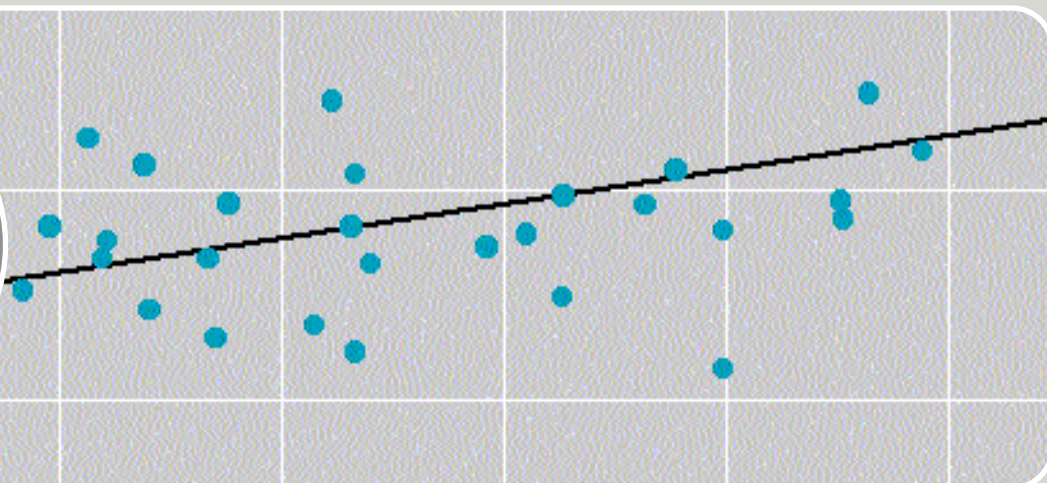
# GR9MATH

## Coming Up:

Proportion  
Data Analysis  
Algebra  
Linear Equations  
2D Geometry  
3D Geometry

### PROJECT

Collect data, analyze the relationship between two variables and present a report in graphical, algebraic and text form based on your research.



## REQUIRED EQUIPMENT

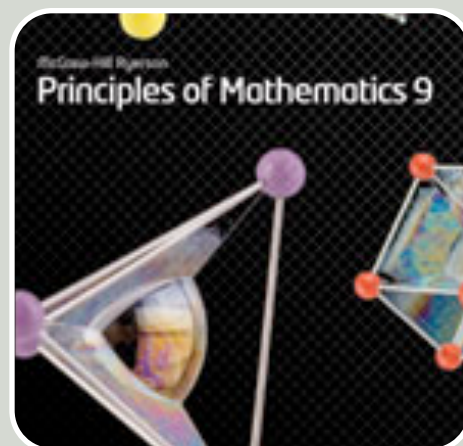
Pencil, Eraser, Binder, Lined and Graph Paper, Ruler  
TI-30XII or other MULTI-LINE DISPLAY scientific calculator

### COURSE DESCRIPTION

This course enables students to develop an understanding of mathematical concepts related to algebra, analytic geometry, and measurement and geometry through investigation, the effective use of technology, and abstract reasoning. Students will investigate relationships, which they will then generalize as equations of lines, and will determine the connections between different representations of a linear relation. They will also explore relationships that emerge from the measurement of three-dimensional figures and two-dimensional shapes. Students will reason mathematically and communicate their thinking as they solve multi-step problems.

### FINAL MARK

If your final mark is under 50%, you must attend summer school to take or upgrade your mark MPM1D. You must earn this credit to continue onto Grade 10 Mathematics, Academic (MPM2D). To graduate you must complete three mathematics credits, e.g., MPM1D (grade 9), MPM2D (grade 10), MCF3M or MCR3U (grade 11). Many universities require one or more grade 12 math credit, e.g., MDM4U, MCV4U, and MHF4U. A strong performance your math courses is also an admission requirement for many university programs.



**PRINCIPLES OF MATHEMATICS 9**  
Dearling, Erdman, et al.  
McGraw-Hill Ryerson, Toronto, 2006

Take  
advantage of  
Extra Help

# MPM1D

## EVALUATION

The Final Exam will be worth 30% of your final mark and will cover topics from the entire year.

The remaining 70% of the final will be determined from your performance on Tests, Mini-Tests, Projects and your Presentation of Reasoning (homework and presentations in class). Evaluations will also have marks allocated to Ministry categories. Some questions on a unit test will be designated as Knowledge, others as Application, Communication or Thinking etc.

Calculation of your final mark is shown below. All evaluations can be viewed online both by you and by your parents.

Marks from “quizzes” (either announced in advance or “pop” quizzes) will not be included in the calculation of the final mark. You will, however, receive feedback on your performance so that you and your teacher can find your areas of strength and weakness. Use quizzes as a

prompt for you for further study and/or extra-help. These marks appear online as “Assessment” but are not included in your overall mark.

Mini-tests will give you an opportunity to demonstrate your performance on a smaller set of ideas and skills. You will often write one or more mini-tests before a unit test. Results of tests and mini-tests will be included in the calculation of your final mark.

Projects involve putting together several skills, applying concepts explored in-class in creative and/or working with a partner or group, e.g., collecting data and presenting a report on your analysis of the results.

You must complete your homework every day. Your teacher will ask to see your solutions and/or to explain your solutions in class for marks. Your teacher will look at your homework to see how well you’ve mastered a skill, and the result will be included as “Presentation of Reasoning” which counts towards your final mark.

TESTS	30%	REASONING	10%
MINI-TESTS	20%	EXAM	30%
PROJECT	10%		

Math teachers are available for help after school several days each week and during many lunches.

## NOTEBOOK

All notes from the board must be carefully copied. Electronic notes must be downloaded and printed. Your notes should be organized chronologically. Make sure your notes are complete, i.e., borrow, copy or download notes you have missed.

## REASONING (Homework)

“Practice makes perfect.” To master new skills, you must practice and apply them, i.e., you can’t learn how to drive a car by watching someone else drive; you have to take the wheel yourself. You must do each day’s homework. It’s always posted on the whiteboard in class and online. It is your responsibility to find out the homework that was assigned if you are away and to complete it, e.g., check online, phone a friend, etc. A solution for every assigned question is a required part of your homework and will help you prepare for exams and tests. Simply having the final answer is NOT considered a complete solution – you must show your reasoning/work.

Your homework is often evaluated and forms a significant part of your final mark. Homework that is submitted after solutions are discussed in class cannot be evaluated and will be marked as 0.

Start your homework the day it is assigned and use the day in between to get help if you get stuck. Your classroom teacher has an extra help schedule, but you can ask other teachers in the department for help too.

When work is corrected in class, copy the correct solution and write a quick note to yourself during to avoid making the same error again, e.g., “you can’t add/subtract x’s with x<sup>2</sup>’s”.

## MISSED TESTS and MINI-TESTS

If you know that you will miss a test in advance, e.g., because of a doctor’s appointment, or an important athletic commitment, please speak to your teacher in advance and make alternative arrangements. You and your teacher may decide to re-schedule on a convenient day during class, before/after school, or at lunch. If, however, you miss an evaluation without prior notification, you will automatically receive a mark of zero. Only if your absence is deemed legitimate, will you be given a chance to write the missed test and you will often be expected to write it the very first day you come back to school even if you don’t have math that day.

## PROJECTS

Hand your work in on time. You may ask your teacher for an extension, but you must do so well before the deadline, i.e., extensions are not granted last minute. If your project is incomplete or not ready by the deadline, the mark will be set to 0 and you will lose 5% per day late up to a maximum of 20% until you hand it in. If a project is submitted after the solutions are handed back in class, then yours will not be marked and it will be a 0.

Can't learn to drive by watching traffic

Can't learn math simply by copying notes

Do your homework, ask questions