

MATHEMATICS

SELF TUTORING - ONLINE HELP

ONTARIO CURRICULUM

Free Online Math Tutoring for grades 7-10 – [ontario.ca/Homeworkhelp](http://www.edu.gov.on.ca/Homeworkhelp)
(<http://www.edu.gov.on.ca/elearning/homework.html>)

YOUR MATH VIDEOS: <https://www.sites.google.com/site/yourmathvideos/>

[Grade 10 \(Academic\) Math Videos \(MPM2D\)](#)

[Grade 11 \(University Stream\) Math Videos \(MCR3U\)](#)

[Grade 12 \(University Stream\) Math Videos \(MHF4U\)](#)

[Grade 12 \(University Stream\) Calculus Videos \(MCV4U\)](#)

[Grade 12 \(University Stream\) Vectors Videos \(MCV4U\)](#)

ALGEBRA

FREE

ALGEBRA (FUNCTIONS AND ADVANCED FUNCTIONS)

Algebra: In Simplest Terms: <http://www.learner.org/resources/series66.html>

A video instructional series on algebra for college and high school classrooms and adult learners; 26 half-hour video programs and coordinated books

Brightstorm Algebra: <http://www.brightstorm.com/math/algebra/>

Free online algebra video lessons to help students with the concepts, equations and calculator use, to improve their math problem solving skills while they study their Algebra 1 homework and worksheets.

Brightstorm Algebra 2: <http://www.brightstorm.com/math/algebra-2/>

Khan Academy Mathematics: <http://www.khanacademy.org/>

You can also download various free courses in Mathematics (Algebra, Geometry, Pre-Calculus, Calculus, Probability and Statistics) through iTunes using the Search menu item.

AT A COST

Math Tutor DVD: www.mathtutorDVD.com

Algebra Help thru Calculus, Physics, Chemistry, and More!

Math Tutor DVD. The Pre-Algebra Tutor: Volumes 1 and 2:

<http://www.mathtutordvd.com/products/item66.cfm>

Math Tutor DVD. The Algebra 1 Tutor: Volume 1 -- 7 Hour Course:

<http://www.mathtutordvd.com/products/item89.cfm>

Math Tutor DVD. The Algebra 1 Tutor: Volume 6 -- 6 Hour Course:

<http://www.mathtutordvd.com/products/item90.cfm>

Math Tutor DVD. Algebra Help: The Algebra 2 Tutor -- 2 DVD Set -- 6 Hour Course:

<http://www.mathtutordvd.com/products/item90.cfm>

Math Tutor DVD. Algebra Help: The Advanced Algebra Tutor - 2 DVD Set - 7 Hour Course:

<http://www.mathtutordvd.com/products/item19.cfm>

Math Tutor DVD. Matrix Algebra Help: The Matrix Algebra Tutor -- 2 DVD Set -- 7 Hour Course

<http://www.mathtutordvd.com/products/item44.cfm>

The Great Courses: www.thegreatcourses.com

Designed to meet the powerful demand for lifelong learning, The Great Courses is an intellectual engaging series of video and audio courses led by the world's best professors and experts in diverse fields such as philosophy, history, literature, science, and the arts. The Great Courses currently maintains a catalog of more than 350 courses delivered by great teachers from the Ivy League, Stanford, Georgetown, and other leading colleges and universities.

The Great Courses. High School Level—Basic Math:

http://www.thegreatcourses.com/tgc/Courses/course_detail.aspx?cid=104

Taught By Professor Murray H. Siegel, Ph.D., Georgia State University, Arizona State University

The Great Courses. Algebra I:

http://www.thegreatcourses.com/tgc/Courses/course_detail.aspx?cid=1001.

Taught by Professor James A. Sellers, Ph.D., The Pennsylvania State University

The Great Courses. Algebra II:

http://www.thegreatcourses.com/tgc/Courses/course_detail.aspx?cid=1002

Taught by Professor James A. Sellers, Ph.D., The Pennsylvania State University

GEOMETRY AND PRE-CALCULUS

FREE

Brightstorm Geometry: <http://www.brightstorm.com/math/geometry/>

Free online geometry video lessons to help students with the formulas, terms and theorems related to triangles, polygons, circles, and other geometric shapes to improve their math problem solving skills while doing their geometry homework and worksheets. Problems presented review concepts such as lines, angles, perimeters, areas, constructions and many more.

Khan Academy Geometry: <http://www.khanacademy.org/>

Geometry Videos, American Public University System

<http://www.apus.edu/media/mathWV/geometry.htm> (also at: <http://itunes.apple.com/us/itunes-u/geometry/id404715004>)

Brightstorm Pre-Calculus: <http://www.brightstorm.com/math/precalculus/>

Free online Pre-Calculus video lessons to help students with the notation, theory, and problems to improve their math problem solving skills so they can find the solution to their Pre-Calculus homework and worksheets.

Pre-Calculus, Florida International University, Professor Rosenthal:

<http://itunes.apple.com/us/itunes-u/pre-calculus-mac-2147/id459507193>

Khan Academy Pre-Calculus: <http://www.khanacademy.org/>

AT A COST

Math Tutor DVD. Geometry Help: The Geometry Tutor -- 2 DVD Set -- 9 Hour Course

<http://www.mathtutordvd.com/products/item16.cfm>

Math Tutor DVD. Trigonometry & Pre-Calculus Help: The Trigonometry And Pre-Calculus Tutor -- 2 DVD Set -- 5 Hour Course

<http://www.mathtutordvd.com/products/item10.cfm>

CALCULUS

FREE

Khan Academy Mathematics: <http://www.khanacademy.org/>

AP Calculus AB: <http://www.brightstorm.com/ap/ap-calculus-ab>

AP prep courses that help you get ready for your AP exams. Great teachers on video explaining concepts and test taking strategies. Dozens of videos, practice quizzes and downloadable materials

Pre-Calculus, Florida International University, Professor Rosenthal:

<http://itunes.apple.com/us/itunes-u/pre-calculus-mac-2147/id459507193>

Calculus I, Florida International University, Professor Rosenthal:

<http://itunes.apple.com/us/itunes-u/calculus-i/id397848271>

Calculus II, Florida International University, Professor Rosenthal:

<http://itunes.apple.com/us/itunes-u/calculus-ii/id397848799>

The Calculus Lifesaver: <http://press.princeton.edu/video/banner/> or

<http://itunes.apple.com/us/podcast/calculus-lifesaver-lecture/id266853222>

Videos of 24 two-hour lectures accompanying "The Calculus Lifesaver" (Princeton University Press, 2007), given by the author, Adrian Banner. These lectures were originally given as review sessions for the Princeton University introductory calculus courses MAT103 and MAT104 during the 2006/7 academic year. Some of the topics are covered in a different order, and some sections of "The Calculus Lifesaver" aren't covered at all.

FOR THE ONES WHO WANT TO BE EVEN MORE CHALLENGED AND GO BEYOND CALCULUS:

Differential Equations, Florida International University, Professor Rosenthal:

<http://itunes.apple.com/us/itunes-u/differential-equations/id406339667>

AT A COST

The Great Courses: www.thegreatcourses.com

Designed to meet the powerful demand for lifelong learning, The Great Courses is an intellectual engaging series of video and audio courses led by the world's best professors and experts in diverse fields such as philosophy, history, literature, science, and the arts. The Great Courses currently maintains a catalog of more than 350 courses delivered by great teachers from the Ivy League, Stanford, Georgetown, and other leading colleges and universities.

Math Tutor DVD: www.mathtutorDVD.com

Algebra Help thru Calculus, Physics, Chemistry, and More!

DATA MANAGEMENT (PROBABILITY, STATISTICS)

Khan Academy Mathematics: <http://www.khanacademy.org/>

Against All Odds. Inside Statistics: <http://www.learner.org/resources/series65.html>

A video instructional series on statistics for college and high school classrooms and adult learners; 26 half-hour video programs and coordinated books

Calculating Change: <http://www.learner.org/resources/series36.html>

A video documentary for educators and parents on math and science education reform; 1 one-hour video program

AT A COST

The Great Courses: www.thegreatcourses.com

Designed to meet the powerful demand for lifelong learning, The Great Courses is an intellectual engaging series of video and audio courses led by the world's best professors and experts in diverse fields such as philosophy, history, literature, science, and the arts. The Great Courses currently maintains a catalog of more than 350 courses delivered by great teachers from the Ivy League, Stanford, Georgetown, and other leading colleges and universities.

Math Tutor DVD: www.mathtutorDVD.com

Algebra Help thru Calculus, Physics, Chemistry, and More!

GENERAL

Mathematics Illuminated: <http://www.learner.org/resources/series210.html>

Mathematics Illuminated is a 13-part multimedia learning resource for adult learners and high school teachers in math and other disciplines. The series explores major themes in the field of mathematics, from mankind's earliest study of prime numbers to the cutting edge mathematics used to reveal the shape of the universe.