

# Mathematics

## New Student Orientation

**Go down deep enough  
into anything  
and you will find mathematics**

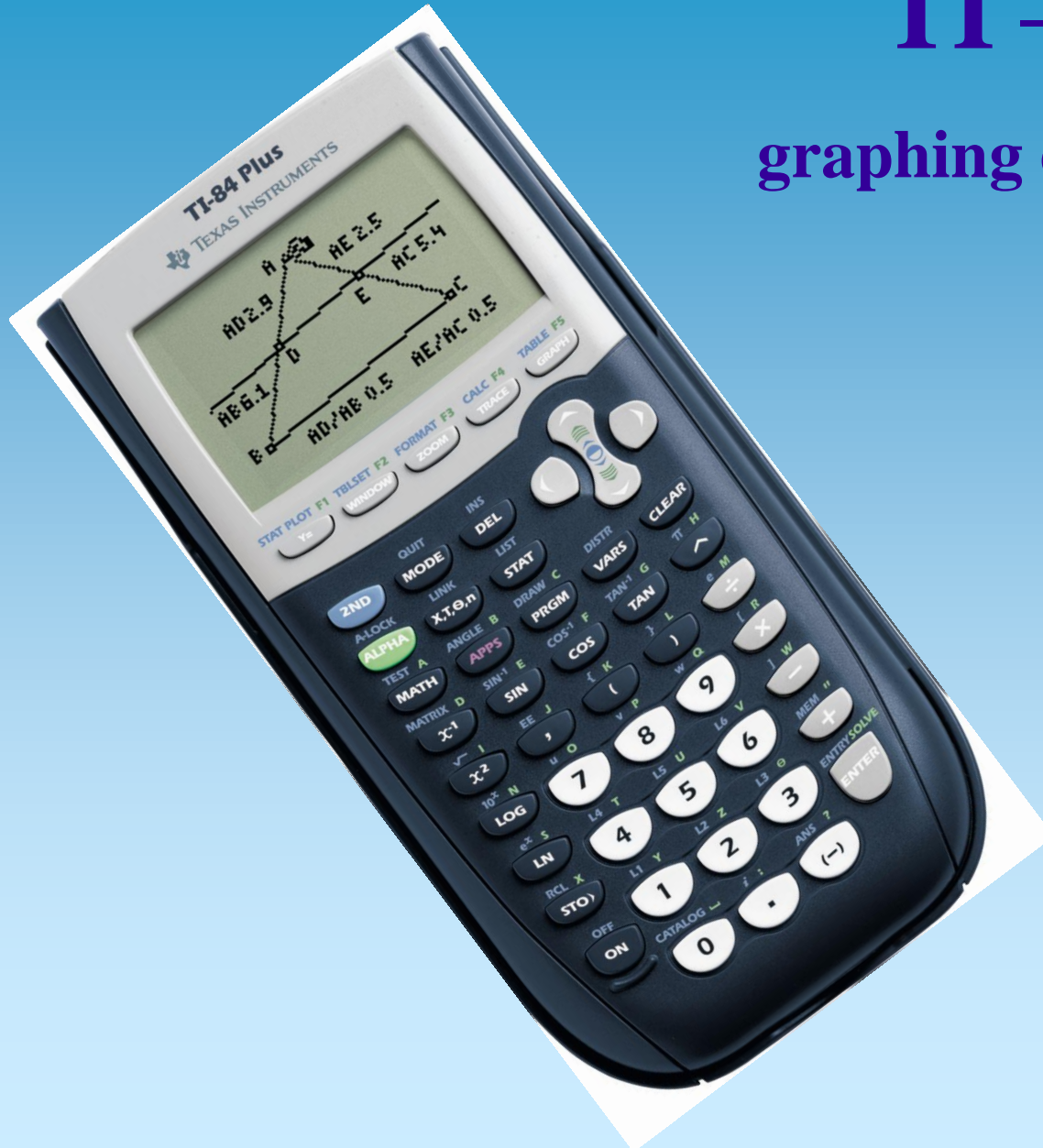
January 14, 2010

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MRHS ITL

# TI – 84

## graphing calculator



# Graduation Requirements

- 3 Mathematics Credits which must include

- Algebra 1/DA

&

- Geometry



***MOST COLLEGES AND UNIVERSITIES  
REQUIRE 4 YEARS OF MATH***

- Passing Algebra/DA HSA\*

# High School Math Courses

**Intro to Algebra 1/Data Analysis**

**Algebra I/Data Analysis with Seminar**

**Algebra I/Data Analysis**

**Introduction to Geometry**

**Geometry**

**Geometry G/T**

**Algebra 2**

**Algebra 2 G/T**

**Functions and Trigonometry**

**Precalculus**

**Precalculus GT**

**Calculus G/T**

**Calculus AB AP G/T**

**Calculus C AP G/T**

**Differential Equations G/T**

**Statistics AP G/T**

**Consumer Math**

**Lab Assistant**

**Algebra 1 HSA Mastery**

# Typical Math Sequences

<b>9<sup>th</sup></b> Algebra I/DA <b>10<sup>th</sup></b> Geometry <b>11<sup>th</sup></b> Algebra II <b>12<sup>th</sup></b> Functions and Trig.	<b>9<sup>th</sup></b> Algebra I/DA <b>10<sup>th</sup></b> Geometry <b>11<sup>th</sup></b> Algebra II <b>12<sup>th</sup></b> Precalculus
<b>9<sup>th</sup></b> Geometry <b>10<sup>th</sup></b> Algebra II <b>11<sup>th</sup></b> Functions and Trig. <b>12<sup>th</sup></b> Precalculus	<b>9<sup>th</sup></b> Geometry <b>10<sup>th</sup></b> Algebra II <b>11<sup>th</sup></b> Precalculus <b>12<sup>th</sup></b> Calculus G/T
<b>9<sup>th</sup></b> Geometry G/T <b>10<sup>th</sup></b> Algebra II G/T <b>11<sup>th</sup></b> Precalculus G/T <b>12<sup>th</sup></b> Calculus AB AP G/T	<b>9<sup>th</sup></b> Algebra II G/T <b>10<sup>th</sup></b> Precalculus G/T <b>11<sup>th</sup></b> Calculus AB AP G/T <b>12<sup>th</sup></b> Calculus C AP G/T

## These are general guidelines in determining optimal course placement for 9th grade students

<b>COURSE</b>	<b>GUIDELINES</b>
<b>Intro to Algebra</b>	<b>D or E in Grade 8 Prealgebra</b> <b>Basic score on Grade 8 MSA</b>
<b>Algebra 1/DA with Algebra Seminar</b>	<b>C or D in Grade 8 Prealgebra</b> <b>Difficulties are NOT due to behavior or attendance</b> <b>Proficient on Grade 8 MSA</b>
<b>Algebra 1/DA</b>	<b>A, B, or C in Grade 8 Prealgebra</b> <b>D, E in Algebra I/ Expectation of Basic Score on HSA</b> <b>Proficient or Advanced on Grade 8 MSA</b>
<b>Geometry</b>	<b>C or Low B in Alg 1/ Expectation of Proficient Score on HSA</b> <b>E in Geometry GT</b> <b>Performs well at a regular pace / Satisfactory computational skills</b>
<b>Geometry GT</b>	<b>A, B in Alg 1 / Expectation of Advanced Score on HSA</b> <b>D in Geometry GT</b> <b>Competent in Algebra skills/ Thrives on being challenged</b>
<b>Algebra 2 GT</b>	<b>A, B, C in Geometry GT</b> <b>Competent in Algebra Skills * /Thrives on being challenged</b>
<b>Precalculus GT</b>	<b>Normal placement from Alg 2 GT</b> <b>Thrives on being challenged /Able to function among older students</b>
<b>*It may be necessary to review the Alg I grade as well as using the Geometry GT grade. A unique placement may need to be made for students who still are very weak in Algebraic skill.</b>	

Do not worry about your  
problems with  
mathematics,

I assure you mine are far  
greater.

- Albert Einstein