

## Math Web Sites

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September 2, 2007

### ***TI-83, TI-84 Web Site***

<http://education.ti.com>. This is Texas Instruments' home page for their line of graphing calculators.

Click on "Downloads" near the top of the page for access to on-line manuals, updates for the calculator's software,

[http://education.ti.com/educationportal/sites/US/productDetail/us\\_ti\\_connect.html](http://education.ti.com/educationportal/sites/US/productDetail/us_ti_connect.html). This page has information on the "TI Connect" software, which allows you to update your calculator software, move data in both directions between the calculator and your computer, and capturing pictures of the calculator screen. There is a drop-down box on the right of the page to select a version for downloading.

NOTES:

- "TI Connect" replaces the earlier "Graph Link" software.
- "TI Connect" does not currently support the newer Intel-based Apple Macintosh computers.

<http://education.ti.com/studentzone/index.html>. The "Student Zone" includes tutorials on the TI-83 and -84, as well as other features.

### ***Third-Party TI-83, TI-84 Web Sites***

Many third parties have created tutorials and other documents related to the TI calculators. You can find these by using your favorite search engine on specific topics. For example, "TI-83 piecewise functions" will find many pages with instructions for graphing piecewise functions.

### ***Study-Skills Sites***

There are many sites with documents describing math study and test-taking skills, including tips for dealing with test anxiety and "brain freeze". Many of these sites are addressed to college students, but most of the information applies to high-school math as well. Again, you can find sites with a search engine, using search phrases like "math study skills" or "math testing" or "math anxiety".

Several sites I recommend you look at first are:

- <http://www.studygs.net/> A good general-purpose (not math-specific) site which also has some math-oriented pages.
- <http://euler.slu.edu/Dept/SuccessinMath.html>. Good overview of everyday math study and test prep skills.
- <http://www.tc3.edu/instruct/sbrown/math/study.htm> Another good overall math-oriented site
- <http://www.math.com/students/advice> Includes a section which specifically addresses math anxiety and test-taking skills (dealing with brain freeze)

- <http://www.schwablearning.org/articles.aspx?r=878> Effective study and test-taking strategies for students with learning difficulties. From a site oriented to parents of LD students.

## **Textbook Sites**

Some of our publishers post a wealth of supplementary material, and others not so much. Here are the links for my 2007-2008 courses.

### **Level 1 Algebra 2**

[http://www.classzone.com/books/algebra\\_2/index.cfm?state=MA](http://www.classzone.com/books/algebra_2/index.cfm?state=MA) Extra examples, practice tests, parent guides. Keyed to the book, organized by chapter/section.

### **Advanced Math (both Level 1 and Honors)**

<http://www.aw-bc.com/demana6e/index.html> This web site is keyed to 6th edition of Demana Precalculus (we use the 5th edition). Study tips, calculator downloads. Extensions of the “extending the idea” and “explorations” problems in the text. The site includes links to an “Interact Math” site with on-line tutorials. These tutorials require Windows and Internet Explorer. MACs are “not supported”, so I have not had a chance to check them out.

## **Other Sites**

There are hundreds of math-oriented web sites. As always, your favorite search engine is a good way to find pages on a particular topic (for example “completing the square”).

Here are just a few sites with good coverage of algebra and advanced math (which is often called “Precalculus”).

- <http://www.purplemath.com/modules/index.htm>. This site says its for “Algebra”, but its topics include most of what we cover in both Level 1 and Advanced Math.
- <http://tutorial.math.lamar.edu/>. There are two specific pages on this site that I strongly recommend:
  - [http://tutorial.math.lamar.edu/cheat\\_table.aspx](http://tutorial.math.lamar.edu/cheat_table.aspx) Very good summaries of most important algebra and trig facts and formulas. Also a great summary of many common computational errors.
  - <http://tutorial.math.lamar.edu/Extras/CommonErrors/CommonMathErrors.aspx>. More detailed information on the common errors summarized on the cheat sheets.
- <http://mathforum.org/>. The best part of this site is the “Ask Dr. Math” forum, where you can actually post a question, as well as search the archive of earlier questions. There is also a high-school-specific page.
  - <http://mathforum.org/dr.math/>
  - <http://mathforum.org/students/high/>

The math department’s main page also includes links to some good sites (including the ones I’ve mentioned above.

- <http://lhs.lexingtonma.org/Dept/Math/>