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## Mathcasts

What are they?

Why create them?

How do you create them?

How much is all of this going to cost (and how can I afford it)?

Resources: [www.math247.pbworks.com](http://www.math247.pbworks.com) and [www.mathcasts.org](http://www.mathcasts.org)

1. **Mathcasts** by students and educators, methods for creating, & recommended tools.
2. Free dynamic **ExamView** questions & tutorials (books and screencasts).
3. **GeoGebra** activities & tutorials  
GeoGebra is similar to Geometer's Sketchpad but is free and does more with algebra.
4. Article: "**Whiteboard Math Movies**" in *Teaching Mathematics and Its Applications*  
(<http://tinyurl.com/5w7jf2>) by Tim Fahlberg, Dr. Linda Fahlberg-Stojanovska, Rev. Graeme MacNeil

## Wikis, Blogs, and Screencasting

**Book:** "Blogs, Wikis, Podcasts, and Other Powerful Web Tools for Classrooms " by Will Richardson

**Wiki** (e.g. Wikipedia): Collaborative tool for sharing ideas, materials, mathcasts, etc with many other teachers and students.

Best wiki tool for educators: PBWorks: [www.pbworks.com](http://www.pbworks.com) (Free, \$)

**Blog:** A website, usually maintained by an individual, with regular entries of commentary, descriptions of events, or other material such as graphics or video (definition taken from Wikipedia)

Best blogging tools: [EduBlogs.org](http://EduBlogs.org) (free, \$) or [Ning.com](http://Ning.com) (free)

**Screencast:** Screen recording typically with voice.

Best screencasting tools ([www.TechSmith.com](http://www.TechSmith.com)): Jing (free), Camtasia Studio (\$\$), and Screencast.com (free, \$), [ed.VoiceThread](http://ed.VoiceThread) (free,\$), SMART Notebook, InterWrite Workspace (free, \$), Genius MousePen graphics tablet (< \$50)

**Special tool:** LiveScribe Pulse SmartPen (about \$150), use to create & share pencasts/mathcasts.

See <http://tinyurl.com/52uz76>

## **Demonstrations and try its:**

### **Creating mathcasts**

**1. Using VoiceThread and text, voice, doodling**

The K-7 Mathcasts 500 Project

**2. Using the LiveScribe Pulse SmartPen (pencasts)**

Embedding pencasts into blogs, wikis, ...

**3. Using Jing + InterWrite Workspace or Jing + SMART Notebook without a graphics tablet**

The Infinite Cloning method.

**4. Using Jing + InterWrite Workspace or Jing + SMART Notebook without a graphics tablet**

Using ExamView dynamic questions

The “parking” method

**5. Using JingPro with a document camera**

Recording work with manipulatives, etc.

## **Questions**