Math 436 video presentation project:

Section 5.2 of the textbook includes several examples from Diophantus books about solving problems that have rational number solutions. As homework, you will be solving problems following the method in example 4 (book II, problem 13).

For your presentation, you will study one of the other examples from the *Arithmetica*, and explain it. Your explanation should include:

* Explain the problem and how Diophantus solved it.
* Make up a similar problem by changing the numbers in the problem appropriately, and show how to solve it using the same method.

I will make a video of book II problem 13 as an example.

Technology wise you will be:

* You will be planning out your explanation on your computer, probably in Microsoft Word, or PowerPoint, though you can use any program you find convenient.
* Recording your explanation (voice over your computer screen work) using Jing or any other appropriate screencast software. Jing can be downloaded at: <http://www.techsmith.com/download/jing/>
* You may submit your recording either by saving it to the web and sending me a link to the web address, or by uploading the recording file (.swf or .mp4) to a D2L dropbox I’ll provide.

My grading plan is: if you have a working video, where I can hear what you are saying, and see what you are doing, and you explain the problem at least as clearly as it is explained in the book, you get at least 70%.

For another 10%, you need to working second example.

For another 10%, you need to clearly know what you’re talking about (it should all make sense when I listen to you)

For the last 10%, you need to notice and point out some of the relevant mathematical details that make it work.