Mathematics 5
Winter Term 2012
The World According to Mathematics

Dwight Lahr

<u>Weekly Schedule: Weeks #9 and #10</u>

Readings:

Lahr—4.1 through 4.5.
Maple Worksheets for sending secret messages— get them from the "Maple
Stuff" page of the Math 5 website.

Exercises:

Monday 2/27—due:	• Exercises 4.3: 7b, 8b, 10ab •[omit : Exercises 4.3: 12, 13, 14]
Wednesday 2/29—due:	•Read 4.4 •Exercises 4.3: 10d, 11c, 13; 4.5: 1a •Get Maple worksheets for sending secret messages: we will discuss in class.
Friday 3/2—hand in:	•Exercises 4.5: 2, 3, 4, 6 •Group Presentations (2)
Monday 3/5—due:	•Get the homework worksheet on the Maple page of the Math 5 website and decode the message. •Group Presentation
Wednesday 3/7— Last day of class.	**Final** **Paper due on first day of finals, Saturday, March 10**.

Friday, March 2—Group Presentations:

1. Polish mathematicians and the Enigma code: How did they shorten a war with
   math but got no credit?

2. Hypatia of Alexandria Mathematics and Society: How do they talk to each other?

Monday, March 5—Group Presentation: Codes and Ciphers: All you ever wanted to know.