

**Mathematics 5**  
**Winter Term 2012**  
**The World According to Mathematics**

**Dwight Lahr**

**Weekly Schedule: Week #3**

Readings:

Lahr— 2.4 through 2.8.  
Maple Worksheets “ISBN” and “Pythagorean Triples”— get them from the  
“Maple Stuff” page of the Math 5 website.

Exercises due from material covered in week #2 and #3 (Fri 1/13, Mon 1/16-MLK day,  
Wed 1/18):

Monday 1/16—MLK day: no class; load Maple 15 on your computer.

Wednesday 1/18—due:

- Exercises 2.4: 1ac, 2abe, 3abe, 4ac, 5, 6
- Read 2.5
- Exercises 2.6: 1, 2
- Maple (get worksheets from Maple page): Try “ISBN” and “Pythagorean Triples” with  $u=97$  and  $v=62$ . What is the resulting Pythagorean Triple?

Friday 1/20—due:

- Exercises 2.6: 3, 4
- Read 2.7
- Exercises 2.8: 1bd, 2b
- Read 2.9

Friday 1/20—Hand in: •Exercises 2.1: 3; 2.2: 3ac ; 2.4: 7; 2.6: 5; 2.8: 2c

Friday discussion 1/20:

Group Presentation:

Greek and Arab Mathematics: Differences, similarities? Impact on society?

Based on the mathematics we have been studying, we will discuss reasoning and logic.