

Mathematics 5
Winter Term 2011
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 1/14, Mon 1/17-MLK day,
Wed 1/19):

Monday 1/17—MLK day: no class.

Wednesday 1/19—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 1/21—due:

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

Friday 1/21—Hand in:

- Exercises 2.4: 7; 2.6: 5; 2.8: 2c

Friday discussion 1/21:

Group Presentations (two):

1. Greek and Arab Mathematics: Differences, similarities? Impact on society?
2. Aristotle: Logic, Truth, and Reality: Are his views relevant today?

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