

Mathematics 5
Winter Term 2012
The World According to Mathematics

Dwight Lahr

Weekly Schedule: Week #6

Readings:

Lahr—3.5, 3.14, 3.15

Final paper: The paper is to be a (quoting from the course requirements) “seven-page double-spaced research paper on a mathematical application in the everyday world. All papers must contain at least 20% mathematics, involve mathematical ideas, and develop material that goes beyond what is covered in class... You might want to discuss your ideas with your instructor. ...[The paper is] due on first day of finals: Saturday, March 10.” Ann Perbohner, Reference/Bibliographer for Mathematics and Computer Science, has already taught us how to do library research, and there is a link to the Library Guide for m5w12 on the Student Writing tab of our class website.

Exercises:

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|-----------------------|--|
| Monday 2/6—due: | <ul style="list-style-type: none">•Read 3.4;•Maple exercise: get primetester-m5w12.mws from the demos folder of the Maple page of our class website. Now, Apply Euclid’s proof to show that 191 is not the largest prime. Use prevprime() to create W. Is W prime or not prime? |
| Wednesday 2/8—due: | <ul style="list-style-type: none">• Exercises 3.5: 2, 4, 6ade, 8, 9 |
| Friday 2/10—no class: | <ul style="list-style-type: none">• Winter Carnival |
| Due Monday 2/13: | <ul style="list-style-type: none">•Exercises 3.15: 3, 4, 5, 6bc•Read Intro to Chap 4 |
| Friday 2/17—Hand in: | 3.5: 3, 6c, 10; 3.15: 6ad; 3.15: 6ad
[there will be others added next week.] |

Friday discussion:

Have a great Winter Carnival.