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

## **Dwight Lahr**

Weekly Schedule: Week #5

## Readings:

## Exercises:

Monday 1/30—due: • Exercise 6.5: 1

Wednesday 2/1—due: • Geometric sums: review fr. Mon. class.

Find the sums:  $\cdot 1 + 1/3 + 1/9 + 1/27 +$ 

1/81 + ....

•  $\frac{1}{4}$  +  $\frac{1}{16}$  +  $\frac{1}{64}$  + ...

Friday 2/3—due • Read 3.4

• Exercises 3.5: 2, 4, 6ade, 8, 9 [if you can,

otherwise postpone]

Friday 2/3—Hand in: 6.5: 3;  $\frac{3}{4} + \frac{9}{16} + \frac{27}{64} + \dots = ?$ ; 3.5: 3, 4,

6c

Friday discussion 2/3: Group Presentations—be there.

1. Kurt Gödel:

The Power of Mathematics: Is it limited?

2. Internet IP Address Management:

What are the issues? IPv4, IPv6, other technology?