PHILOSOPHY OF MATHEMATICS
WINTER 2010
WEEK 3

NEXT WEEK

- Read pp3-6. (Section 1.1)
- Read pp21-24 (Section 2.1)

We will return to chapters 1 and 2 later in the course.

- Read chapter 3.
Plato

- 427(?) - 348 BCE
- Lived about 200 years after Pythagoras.
- Plato was Socrates’ student.
- Established a school for philosophy in Athens.
- “Let no one who does not know geometry enter here.”

Plato’s Dialogues

- Plato’s works span approximately 30 “dialogues”
- His concepts of reality and knowledge are described in The Republic
The Divided Line

Intelligible World

- Forms, Ideas
- Mathematics, Logic

Sensible World

- Objects, Physical Things
- Shadows, Reflections
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