

**Class Notes**

*$\pi$  The Movie – Part Two*

**Max's Assumptions**

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- 1. Mathematics is the language of nature.**
- 2. Everything around us can be represented and understood from numbers.**
- 3. If you graph the numbers of any system, patterns emerge.**

**Therefore, there are patterns everywhere in nature.**

**Significant Events & Competing Forces**

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## Part Two Outline

1. Review characters and plot from part one.
2. Play DVD [19:25 to 24:28]
3. Discuss Sol's Interest in "the number"
  - dealt with some "bugs" in my pi days
  - the intensity of his interest – how many digits – 216
  - warning: Archimedes need to take a break – get perspective – no order, only chaos
4. Play DVD [24:28 to 29:15]
5. Discuss Max's realization that something is going on
  - the guy on the subway – (government spy?)
  - Euclid's picks were correct – especially the one that he thought was crazy
  - paranoia – bumping into Marcy, people watching, need to verify independently
  - next step, to find that number
  - "accidentally" bump into Lenny who has a car – able to escape Marcy
  - Torah pattern that is 216 long
6. Play DVD [29:15 to 37:29]
7. Discuss confrontation between Sol & Max
  - Sol: GO board – can't be easily described by math
  - Max: as the game goes on, things become less random
  - Sol: if you are obsessed with something you will see it everywhere or make it be everywhere
  - Sol: as soon as you discard scientific rigor you're no longer a mathematician, you're a numerologist
8. Discuss Blackout & Brain Poking
  - Extreme migraine pain – touching the head where it hurts
9. Discuss Nautilus Shell & Golden Ratio Connection
  - Beach shell makes metal detector go off
  - Max is reflecting – trying to put things together
10. Play DVD [37:29 to 43:21]
- 11.