

Slide 1

Administrivia

- Homework 3 on the Web; due in a week.

Slide 2

Predicate Logic, Revisited

- More examples (divide into groups and solve): section 1.4 problems 20, 24, 30, 31.

Mathematical Induction — Review/Recap

- Basic idea is to prove something true for all integers greater than some base value (usually 0 or 1) in two steps:
 - Base case — prove directly for smallest value.
 - Inductive step — prove that if true for k (first principle), or all numbers from base case through k (second principle), then also true for $k + 1$.

Slide 3

Examples

- Section 2.2 problems 31, 64. (To be continued.)

Slide 4

Minute Essay

- None — quiz.

Slide 5