

Administrivia

- Reminder: Homework 2 due Wednesday (due date extended Friday by e-mail).

Slide 1

Predicate Logic — English to Formulas

- See pp. 38–39 for some general guidelines. Notice too that sometimes English is ambiguous!
- Example — section 1.3 problem 8.

Slide 2

Predicate Logic — Proof Sequence Sketch

- Start by removing quantifiers (with ei, ui rules) — usually remove existential quantifiers first, then universal.
- Apply rules from propositional logic to get unquantified result.
- Use eg, ug rules to put quantifiers back in.

Slide 3

Predicate Logic — More Examples

- (More examples at board — section 1.4 problems 20, 24, 28, 30, 31.)

Slide 4

Minute Essay

- None — sign in.

Slide 5