Due. Thursday October 12 at 11:00 am (they get collected from HW dropboxes in Downs at noon)

Study Guide. Read Sections 1.1, 1.2, 1.3 from Marker. Make sure that you understand proofs by induction on the complexity of formulas such as the proof of Proposition 1.1.8 and the proof of Theorem 1.1.10 (in Theorem 1.1.10 he actually proves that $j$ is elementary, not just that $M \equiv N$).

Exercises. From Marker: 1.4.2(b), 1.4.5(e) (here “trees” means “acyclic graphs”), 1.4.7(b), 1.4.11∗ (there is a typo in the last line: “a” should be “A”), 1.4.15.

The starred problem is 1.4.11.

Policies. In each homework there will be one starred problem on which no collaboration is allowed. For the other problems, collaboration is allowed but you should write up your own solutions. You cannot look up solutions to the problems from any source. No late submissions are allowed except for: (1) medical problems (note needed from the health center), (2) serious personal difficulties (note needed from the Dean’s Office), (3) prior approval of the instructor.