Today Decidability. § 4.*.
Next class Review. HW02 due. **Midterm Exam 1 on 2014-02-18.**

1. List the members of your group below. Underline your name.

2. Prove or disprove: The set of infinite strings over the alphabet $\{a, b, c\}$ is countable.

3. Prove or disprove: The set of three-dimensional integer lattice points is countable.

4. Prove or disprove: The set of all syntactically correct Python programs is countable.

5. Prove or disprove: The language of context-free grammars that generate the empty string is decidable.

6. Prove or disprove: The set of strings that are *Python* programs that each output 0 for all inputs is a decidable language.