

Math 136, Homework 8, due Thurs. Mar. 19

In lectures on 3/10, 3/12, and 3/14 we shall cover the rest of chapter 7. I suggest you also read the first 3 sections of chapter 9, as it supplements the material in chapter 7.

After that, we shall skip ahead, and cover Chapter 11. Then we shall return to chapter 8, and Godel's incompleteness theorems.

From Chapter 7: 3.13 (p. 138) 1(a)(b), 2(c)(d), 3, 4, 5, 6, 7, 8, 9.
4.4 (p. 141) 1, 2, 4.

Bonus problem 3. (Show me your solution in my office for extra credit.) Show that if A and B are disjoint subsets of N , and their complements \bar{A} and \bar{B} are r.e., then there is a recursive set C such that $A \subseteq C$ and $C \cap B = \emptyset$.