Problem Set 8
Due: Friday, October 26 by 9:00 a.m.

Work all of the following problems. A subset of the problems will be graded. Be sure to adhere to the expectations outlined in the *General Problem Set Guidelines Sheet*.

Unless otherwise stated, all problems can be found in the appropriate *Exercises* sections of the text (*Abstract Algebra* by D. Dummit and R. Foote, 3rd Edition).

- Section 9.5 # 1

- Section 13.1 # 1, 3, 4, 5, 8

Note: For Section 9.5 # 1 you may assume the results of Section 7.3 # 29.