Problem Set 3
Due: Thursday, February 2

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 1.6 # 14

- Section 2.1 # 8, 11 parts (a) and (c) assuming the results of Section 1.1 # 28, 14

- Section 2.2 # 3, 5 part (a), 6, 10