Problem Set 6
Due: Wednesday, October 10

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 8.3 # 5, 6

- Section 9.1 # 5, 6, 13

- Section 9.2 # 4, 8