HW4, due Friday October 7
Math 403, Fall 2011
Patrick Brosnan, Instructor

Reading Assignment

Please read Chapter 2 of Herstein's book through section 2.10.

Writing Assignement

Problems 1-7. (15 points each) Do the following problems on pages 47-49 of Herstein: 6, 12, 14, 16, 21, 29

Problem 7. (10 points) For each positive integer n let $d(n)$ denote the number of positive integers dividing n. Show that $d(n)$ is also the number of subgroups of a cyclic group of order n.

Self Study Assignment

Here are some interesting problems from pages 47-49 from Herstein to do but not turn in: 4, 15, 18, 27, 30