MATH 204 LINEAR ALGEBRA, HOMEWORK 3

Name:
Due: Monday, February 8th, 2010
You should print these pages out two-sided (if possible) to save paper, money, and trees. Staple your sheets together. Write your answers clearly.

Section 2.3, Problem 36
In addition to computing powers of A, give a formula for A^n for a general n and prove your result by induction.

Section 2.3, Problem 62

Section 2.4, Problem 36

Section 2.4, Problem 44

Section 2.4, Problem 66