

## Math 1050-006 Homework 6

Assigned: 10/17/2012

Due: 10/24/2012

**Please clearly identify which problems you are working on.**

**Please staple all your solutions together and write your name and student id number clearly on the top of the first page.**

**Show all work for full credit!!**

### Book Problems:

- 1) Quadratic Polynomials: 1-4
- 2) Factoring Polynomials: 1-4, 9-11 (show that it is a root), 12, 14, 16, 17
- 3) Graphing Polynomials: 1-4, 7, 8, 11

### Additional Problems:

- 1) Is  $3(x^2+1)(x-2)(x+4)(x^2-4x+3)$  completely factored?
- 2) Completely factor  $p(x)=2x^4+10x^3+10x^2-10x-12$