

Math 1050-006 Homework 5

Assigned: 10/5/2012

Due: 10/17/2012

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) Basics of Polynomials: 1-3, 6-8, 13-16, 19-23
- 2) (Polynomial) Division: 5-10
- 3) Roots & Factors: 1-6, 8-14

Additional Problems:

- 1) If you are given that $p(x) = x^4 + 5x^3 + 5x^2 - 5x - 6$ has roots : 1, -2. Fully factor $p(x)$ to find the remaining 2 roots.