MAT 142 Problem Set #3

due in class on February 10, 2005

- 1. A postol, section 5.11 # 11–20, 25 2. A postol, section 6.9 # 16–26, 34
- 3. Prove that for any positive integer, n, $\ln x^n = n \ln x$. Prove that for any rational number, r, $\ln x^r = r \ln x$.