

Homework 15  
Math 130 - Due May 8, 2011

**Written Problems from P&B:**

Section 9.3 (p. 221) # 1, 2, 4, 5

Section 9.4 (p. 226) # 1, 5, 8

**To be done as an OPTIONAL 30-minute quiz. If you turn this in on Thursday, I'll have it graded with feedback on Friday.**

1. Prove that  $\sqrt[3]{2}$  is irrational.

HINT: assume  $\sqrt[3]{2} = \frac{a}{b}$  in lowest terms and go from there.

2. Do problem 6a from page 221 of P & B.