Exam 2 Information

The second exam is scheduled for **Thursday March 27, 7 - 8:30 PM**. The exam will be based on problem sets 4 - 6 and quizzes 5 - 7. We will review in class the day of the exam and Marshall will hold a review session at a time to be announced.

**Topics and suggested review problems:**

- Integration using partial fractions (p. 435 # 29)
- Integration using trig substitution (p. 435 # 36 - use $x = \tan(\theta)$)
- Integration using tables (p. 410 # 3,6)
- Numerical integration (p. 435 # 48ab)
- Error estimates for numerical integration (p. 435 # 9)
- Improper integrals - type I (p. 435 # 55, 57), type II - (p. 435 # 59, 60)
- Improper integrals - using the comparison theorem (p. 436 # 61)
- Area (p. 494 # 2)
- Volume (p. 494 # 7)
- Arc length (p. 494 # 17)
- Average value (p. 494 # 7)