

Math 195Q
Spring 2006

Exam 1: Material and Review Exercises

Date: Tuesday, February 14, In class



Material:

- **Sections:** 1.2, 1.3, 1.4, Conversion rectangle trick (handout), 2.1, 2.2, 2.3, 2.4, 2.6
Individual homework points total = 9
- **Group Projects** (Rationals-Irrationals, BMI, Lilavati, Calculate your Income, TPA)
Group Work points total = 7
- Exam 1 point total = 84 points.
- No Calculators allowed during the Exam.
- You may bring the colorful handouts.

Chapter 1

- **Concepts:** evaluate algebraic expressions, identify sets of numbers: N, W, Q, I, R, absolute value, operations +, -, x, /, powers, roots, and order of operations, <, >, ≤, ≥, distributive rule, combine like terms, conversion rectangle trick (on handout)
- **Read:** Highlights: pages 45 - 48
- **Review Exercises:** pages 47-49: 1-9, 28-33, 42 -97, 108-119
- **Test:** page 50: 1-21, 26-30

Chapter 2

- **Concepts:** Solving linear equations and inequalities in one variable, linear formulas and solving for one variable in terms of the other variables, solving absolute value linear equations, approach to problem solving
- **Read:** Highlights pages 119-123: 2.1, 2.2, 2.3, 2.4, 2.6
- **Review Exercises:** pages 123-125: (2.1)1-24, (2.2) 25-28, 32, (2.3) 36-49, (2.4) 56-65, (2.6) 80-93; pages 127-128: 1-3, 5-3241-46
- **Test:** page 126: 1-13, 19, 22, 24