

Homework #4

(29 + 1 + 5 points)

Due Date: MONDAY, February 18th, 2008, at the beginning of class

Name: _____ Section Leader: _____

Directions: Write complete answers to each of the following questions. All are from the ends of the indicated sections in our text; for these, provide complete answers in accordance with the directions given. Show your work, when appropriate, for possible partial credit. This is not a group project; do your own work. The section leaders will go over the homework problems with you during the section meeting following the due date. If you need help, *remember that the section leaders and I have office hours for just this eventuality*. The section leader office hour schedule is available from the class web page. Please remember that you can talk to any section leader during office hours, not just the section leader running your weekly section.

On the due date, at the start of class, staple this page to the front of your neatly written (or, better yet, electronically-produced) answers and turn them in to the section leaders. Solutions submitted after the first five minutes of class on the due date will not be accepted. Want to be safe and submit your homework early? Feel free to do so; you can give it to me or to any section leader during his or her office hours. I strongly encourage you to retain a copy of your submitted answers, just in case you need to refer to them before you get your graded homework back.

— Points —

Section	Exercises	Possible	Deductions
1.5	24	5	
1.6	4	8	
	6	8	
	10	8	
Subtotal:		29	
Neatness:		1	
Interactive Grading*:		5	
Total:		35	
		Score:	

REMINDER: A rational number is one that can be expressed as the ratio (a fraction) of two integers. Naturally, the denominator cannot be zero. For example, 0.875 is a rational number because $0.875 = \frac{7}{8}$. Every integer is a rational number (using a denominator of one), but not every real number is rational.

*If your score is below 23 of the 30 (29+1) points, to earn an additional five points you can arrange a time to meet with your section leader to review your mistakes. The meeting must be initiated within one week after the due date. If your score is 23 or better, you'll get those five points automatically.