Math 1B Tentative Homework

MIDTERM 1 SECTIONS

3.11 3-19 ODD, 21, 23, 24, 27a, 29, 31-47 ODD, 51 **PLUS**
4.9 18-19, 44 **PLUS**
4.REV 68

5.1 1-7 ODD, 13-25 ODD, 27a
5.2 1-9 ODD, 17-29 ODD, 33-43 ODD, 47-53 ODD, 57, 65, 71
5.3 3-47 ODD, 53-59 ODD, 60-63, 67, 69, 75, 77
5.4 1-45 ODD, 49-65 ODD, 69
5.5 1-71 ODD, 73-81 ODD, 85-89 ODD

MIDTERM 2 SECTIONS

For all chapter 6 homework which involves writing and evaluating an integral:
After you write the integral, use your calculator's fnInt feature to get a numerical approximation of the integral.
Make sure the approximation is consistent with the answer in the back of the book before you spend any time finding anti-derivatives.
If the approximation is inconsistent, fix your integral first. Don't find an anti-derivative for an incorrect integral.

6.1 1-35 ODD, 43, 45, 47, 53
6.2 1-35 ODD, 39, 41, 45, 47, 49, 55-61 ODD
6.3 1-25 ODD, 29-33 ODD, 37-47 ODD

Since we are doing the chapters out of sequence, some questions not marked with the calculator symbol will require integration techniques you have not learned yet. Those questions are marked with * below, and should be completed using fnInt after you have completely simplified the integrand.

8.1 1-11 ODD, 13*, 15, 17, 33, 35, 39, 41 **PLUS**
10.2 37, 39, 41, 43*, 45
8.5 1, 3, 7, 9*, 13, 15, 17* (substitution first), 19
8.3 21, 23, 25, 27*, 29, 31*, 33, 35, 37, 41

MIDTERM 3 SECTIONS

7.1 1-19 ODD, 23-41 ODD, 47-69 ODD
7.2 1-33 ODD, 45-51 ODD, 59-65 ODD
7.3 1-23 ODD, 27-33 ODD, 39
7.4 1-31 ODD, 39-53 ODD, 65
7.5 1-81 ODD (work in groups – may require a lot of experimentation)
7.8 1-45 ODD, 49-63 ODD

Go back and redo the chapter 8 questions marked with (*) above, this time without using your calculator.

POST-MIDTERM 3 SECTIONS

7.6 1-33 ODD
7.7 1-7 ODD, 11, 21, 25, 27, 29, 31, 33, 35, 37

9.1 1-15 ODD
9.3 1-13 ODD, 19, 23, 39, 43
9.2 1-13 ODD, 19-23 ODD

App G 1, 3, 5 (prove all 3 ln properties using both textbook/derivative and lecture/definition methods)