

## Math 1B Homework

The homework list will be updated as we progress through the quarter, to account for the change from 6<sup>th</sup> to 7<sup>th</sup> edition.

From the 7<sup>th</sup> edition:

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

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  
6.5 1-19 ODD, 25

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

6.4 1-25 ODD, 29 (for physics students)  
App G 1, 3, 5 (prove all 3 ln properties using both textbook/derivative and lecture/definition methods)

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)  
7.6 1-33 ODD  
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.

7.7 1, 29, 33, 35

9.1 1, 2, 3, 7  
9.3 1-13 ODD, 17, 19, 23  
9.2 19, 21, 23