

Homework Assignments
863 MATH 384 - 01
Partial Differential Equations
Spring 2008
Dr. Goutziers

Text: **Fourier Series and Boundary Value Problems**
Author: **James Ward Brown, Ruel V. Churchill**
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Office Hours: **M 09:00 am W 12:00 pm R 11:00 am F 11:00 am**

Assignment	Date
1) Page 11: 2a; 4; 9.	Jan 18
2) Page 11: 1b; 3b.	Jan 21
Announcement of Quiz 1	Jan 23
Date: Monday, January 28	
Sections: 1 - 8	
3) Page 17: 2; 4; 5. Page 21: 3.	Jan 23
4) Page 31: 1; 2.	Jan 25
5) Page 31: 3; 6.	Jan 30
6) Page 39: 2; 3; 7.	Feb 04
Announcement of Test 1	Feb 06
Date: Monday, February 11	
Sections: 1 - 13	
7) Page 63: 1; 3; 4.	Feb 08
8) Page 71: 7.	Feb 13
9) Page 71: 1; 2; 4; 5.	Feb 25
Announcement of Quiz 2	Feb 27
Date: Wednesday, March 5	
Sections: 19 - 25	
10) Page 76: 1; 2; 5.	Feb 27
11) Page 79: 1; 6; 7.	Mar 03
12) Page 82: 1; 2; 3.	Mar 07
13) Page 93: 1; 2; 7.	Mar 12
Announcement of Test 2	Mar 14
Date: Wednesday, March 19	
Sections: 19 - 30	
14) Page 98: 1.	Mar 21
15) Solve the boundary value problem	
$y_{tt}(x,t) = 4y_{xx}(x,t) \quad (t > 0, 0 < x < 6)$	
$y(0,t) = 0, y(6,t) = 0 \quad (t > 0)$	
$y(x,0) = 0, y_t(x,0) = x(6-x)^2 \quad (0 < x < 6)$	

Continued on Page 2.

16)	Page 108:	1; 2.	Apr 04
Announcement of Quiz 3			Apr 07
Date:	Friday, March 11		
Sections:	31 - 35		
17)	Page 113:	2; 3.	Apr 07
18)	Study Section 36 and do Exercises 1, 2, and 6 on Page 118.		Apr 09
19)	Page 119:	8.	Apr 16
20)	Page 122:	1; 2; 4.	Apr 18
21)	Page 128:	2.	Apr 21
22)	Page 133:	1; 4.	Apr 23
Announcement of Test 3			Apr 28
Date:	Friday, May 2		
Sections:	31 - 41		
23)	Page 139:	3.	Apr 28