

Math 342 – Applied Analysis  
Tentative Homework Assignments – Powers, 6<sup>th</sup> Edition

ASSIGNMENT
Review and Preparation, Parts 1 & 2
Section 0.1, p. 12 #1, 4, 11, 12, 13, 22(b), Project 0.1
Section 0.2, p. 20: #1, 4, 5, 9, 14, 15, 18, 19
Section 0.3, p. 34: #1, 3, 7, 8, 11, 14 // 4, 5, 2, 13
Section 0.4, p. 42: #1[Also determine regular or irregular.], 2, 3, 4, 5
Section 7.1, p. 418: #1, 3, 7, 10
Section 1.1, p. 55: #1, 2, 4, 5, 6, 7
Section 1.2, p. 63: #1(c), 4, 5, 10(b,d), 13, 15 // 7(b,c), 11(b,d)
Section 1.3, p. 70: #1(a,c,e), 2, 3, 4, 5, 6, 9
Section 1.5 – Theorems
Section 1.5, p. 82: #1, 2, 5, 9, 10
Section 2.1, p. 133: #2, 3, 5, 6
Section 2.2, p. 139: #3, 4, 5, 6, 8, 9
Section 2.3, p. 148: #2, 4, 5, 8, Project 2.2
Section 2.4, p. 153: #2, 3, 5, 8 [tbd: Orthogonality Condition Integral(s)]
Section 2.5, p. 163: #3, 6, 7, 9, Project 2.5(a,b)

This is merely a rough and tentative guide for the problems that will be assigned – *it is subject (and likely) to change*. It also does not include any worksheet/project/labs assignments. **Always refer to the assignments updated daily on the course website <http://crawford.elmhurst.edu>**

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Section 2.6, p. 168: #2, 3, 6, 7, 8, 9
Section 7.2, p. 423: 5, 6, 7, 8, 9
Section 3.2, p. 224: #1, 2, 4, [5], 6, 7, 8, 9, 14
Section 3.3, p. 233: #5, 6, 8, 9, 10, 11
Section 7.3, p. 428: #1, 3, 9, [2: Find the d'Alembert Solution by hand]
Section 2.7, p. 174: #1, 4, 7, 11
Section 2.8, p. 1, 3, 4, 5
Section 4.1, p. 263: tbd
Section 4.2, p. 269: #1, 7, tbd
Section 4.3, p. 276: #1(a,c), 10, tbd
Section 4.4, p. 281: tbd
Section 4.5, p. 293: #3, 5[#3], 9, 10, 11, 12
Section 1.9, p. 104: #1(b), 2, 5
Section 1.10, p. 109: #3, 4(b)
Section 2.10, p. 186: #1, 3, 4, 5

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