

## Homework for Math 275

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TEXT: *A First Course in Differential Equations*, 11<sup>th</sup> (10<sup>th</sup>) Ed, Dennis G. Zill  
11<sup>th</sup>: ISBN 978-1-337-29312-9 (10<sup>th</sup>: ISBN 978-1-111-82705-2)

NOTE: (##) is the 10<sup>th</sup> edition problem number

Sec	Page	Assignment
1.1	12	1,2,5,7,9,10,11,13,15,16,28(22),23,27,31
1.2	19	2,3,9,13,18,21,24,25,26
1.3	30	5,9,10,13,14,27
2.1	44	1,5,7,15a,21,25
2.2	52	3,6,12,15,27,29,32,39
2.3	62	3,7,16,21,25,28,38
2.4	70	5,9,22,33,37
2.5	75	3,9,12,21,24,30
2.6	80	3,7,11
3.1	91	3,5,13,21,22,23,25,29,45(43)
3.2	101	2,5,15,33
3.3	111	1, 5, 7 (11 <sup>th</sup> ed)
4.1	130	1,3,4,5,10,13,15,21,27,34
4.2	134	1,4,10,16
4.3a	140	1,3,7,15
4.3c	140	9,11,13,29
4.3b	140	5,17,19,21,25,27
4.4	150	3,11,15,24,30
4.6	165	3,9(10),11,20
4.7	171	9,19,26,29
4.9	187	3,6,9,19
4.10	192	2,3,9(7),15(13),18(16)
5.1.1	209	5,11
5.1.2	210	21(17)-24(20)
5.1.3	211	34(30),41(37)
6.1	242	2,3,5,9,12,13,15,19,23,25,35,38
6.2	251	9,11,17,19
6.3	260	7
7.1	285	3,6,9,12,23,27,31
7.2	293	3,9,15,19,23,35,37,39
7.3	303	3,7,13,16,21,25,38,41,49-55
7.4	315	1,10,23(19),29(25),37(33)
7.6	325	1,7
B.2	appdx	31 – 45 odd
B.1	appdx	1 – 29 odd
addon	web	Mymathmantra.com → DE resrv → EigenProbs: 1 – 11 odd
8.1	339	1,3,5,7,9,11,17,21
8.2	352	a:1,3,7,19 – b:21,23,25 – c:35,39,41,47,51
8.3	360	1,3,7,9,13,15
8.4	365	1,4,9,14,19,21
9.1	373	1,5,9
9.2	377	9 3,5,7,9
9.3	381	3,4,5