

Text: *Elementary Differential Equations and Boundary Value Problems*, by Boyce and DiPrima, 10th Edition, Wiley

Boldface letters denote Supplemental Problems available on the course web page:

[www.math.purdue.edu/courses](http://www.math.purdue.edu/courses)

Lesson	Sections	Problems
1	1.1 & <b>dfield8</b>	p.7: 2, 5, 11, 14, 15, 17, 19
2	1.2	p.15: 1, 8a
	1.3	p.24: 1, 2, 3, 4, 6, 8, 11, 18, 20; <b>A</b>
3	2.1	p.39: 1c, 3, 13, 18, 23b, 24, 28, 32
4	2.2 (Homogeneous equations)	p.48: 1, 4, 9a, 11, 14, 22, 23, 28, 32b, 36; <b>B, C</b>
5	2.3	p.60: 1, 2, 3, 4, 16, 20ab, 21, 22, 23abc, 29
6	2.4	p.76: 2, 4, 7, 11, 17, 18, 22ab, 28; <b>D</b>
7	2.5	p.88: 3b, 3c, 4, 12b, 12c, 17b, 22; <b>E</b>
8	2.6	p.101: 1, 3, 6, 8, 10, 14, 16, 18; <b>F</b>
9	2.7	p.110: 1ad, 4ad, 12, 17, 20abd; <b>G, H, I</b>
10	3.1	p.144: 1, 2, 6, 7, 10, 16, 17, 19, 22, 23
11	3.2	p.155: 1, 5, 7, 9, 13, 14, 18, 24, 25, 28 (Review complex numbers)
12	3.3	p.164: 1, 6, 8, 10, 11, 17, 19, 23
13	3.4	p.172: 2, 4, 8, 14, 15, 18b, 23, 25
14	3.5	p.184: 1, 2, 5, 8, 10, 15, 16, 18, 20, 21a, 22a
15	3.6	p.190: 2, 3, 10, 13, 15; <b>J</b>
16	3.7	p.203: 1, 3, 4, 6, 9, 17, 28
17	3.8	p.217: 6, 7, 9, 10 ( <b>Project #1</b> due)
18	4.1	p.226: 3, 4, 6;
	4.2	p.233: 11, 12, 19, 22, 31, 34
19	4.3	p.239: 2, 4, 6, 10, 12, 16, 18; <b>K (Project #2)</b> due)
20	6.1	p.315: 1, 4, 5b, 8, 10, 12, 15
21	6.2	p.324: 1, 5, 8, 10, 11, 19, 21, 24, 26
22	6.3	p.333: 1, 2, 13, 14, 17, 18, 19, 21, 22, 23
23	6.4	p.340: 1a, 2a, 3a, 6a, 9a, 11a, 12a
24	6.5	p.348: 1a, 4a, 8a, 11a, 14ab; <b>L</b>
25	6.6	p.354: 4, 5, 6, 8, 10, 14, 17
26	7.1, 7.2	p.363: 1, 2, 10a; <b>M</b> ; p.376: 2c, 22, 23
27	7.3, 7.4	p.388: 13, 16, 17, 20
28	7.5	p.405: 1, 4, 9, 15; <b>N</b>
29	7.6	p.417: 1a, 2, 6, 10, 16ab; ( <b>Project #3</b> due)
30	7.8	p.436: 1c, 7a, 9a; <b>O</b>
31	7.9	p.447: 3, 7; <b>P</b>