Section	Title	HW Trench (pdf page = publisher page + 10)	HW Lebl
1	Introduction: Concepts and Terminology	pg. 14 #1, 2(a, b, c, f), 3(a, b, c, e, f, g)	pg. 12 #2.4, 2.5, 2.6, 2.103
2	Initial Value Problems	pg. 14 # 4(a, b, c, e), 5(a, d), 6(a, b, c)	pg. 12 # 2.7, 2.8
3	First Order Equations: Separation of Variables	pg. 52 #1, 2, 3, 4, 5, 6, 11, 12	pg. 26 #3.101, 3.102, 3.103, 3.104, 3.105
4	First Order Equations: Linear	pg. 41 #15, 1621	pg. 30 #4.4, 4.5, 4.6, 4.101, 4.102
	Special First Order	pg. 68 #1, 2, 710, pg. 82 #37(a, b, c), pg. 91 #315odd	pg. 35 #5.101, 5.103
5	First Order Equations: Models and Applications	pg. 53 #29; pg. 138 #1, 3, 17;	pg. 31 #4.103, 4.104
6	Linear Equations: Theory and Terminology	pg. 203 #1, 2, 5(all)	pg. 50 #2.1.101, 2.1.102
7	Reduction of Order	pg. 205 #10, 11, 13, 14, 16, 17, 18	pg. 50 #2.1.9, 2.1.104
8	Homogeneous Equations with Constant Coefficients	pg. 217 #117	pg. 56 #2.101, 2.102, 2.103, 2.104; pg. 61 #3.1, 3.2, 3.3
9	Method of Undetermined Coefficients	pg.235 #119odd, 31, 32, 33, 34, 35, 36	pg. 75 #5.2, 5.3, 5.4, 5.5, 5.6
10	Variation of Parameters	pg. 262 #16, 712, 30, 31	pg. 76 #5.101, 5.102, 5.103,
11	Linear Mechanical Equations	pg. 277 #2, 3, 4, 7, 11, 13; pg. 288 #1, 5, 6, 13, 17	pg. 68 #4.2, 4.3; pg. 83 #6.103
12	LRC Series Circuits	pg. 295 #1, 3, 5, 6	pg. 69 #4.102
13	Laplace Transform	pg. 403 #1 (a, b, d, e), 2(b, c, f, h, i), 5 (b, c), 16	pg. 255 #1.5, 1.6, 1.7, 1.8, 1.101, 1.103
14	Inverse Laplace Transform	pg. 412 #1(d), 2(d, f, i, j, k), 4(a), 7(a),	pg. 255 #1.9, 1.10, 1.102
15	Shift Theorems	pg. 412 #1(a, b, c), 2(a, b, e, h, l), 7(b, c); pg 428 #1, 2, 5, 6, 10, 19, 20, 23, 24	pg. 255 #1.11, 1.13,
16	Laplace Transforms of Derivatives and IVPs	pg. 419 #1-19odd; pg. 438 #1, 3, 4, 5, 14	pg. 262 #2.6, 2.7, 2.11
17	Fourier Series: Trigonometric Series	pg. 599 #4, 15	pg. 165 #2.3, 2.4, 2.6, 2.102, 2.104
18	Sine and Cosine Series	pg. 614 #1, 4, 11, 13,	pg. 182 #4.101, 4.102, 4.104; pg. 189 #5.5

Errata: The solution to 1.2.4 e in Trench (pg. 714 of the pdf) is missing a term + 5x/4.

The solution to 6.1.3 in Trench (pg. 741 of the pdf) has a sign error. It should be either -1.5... cm or -0.015...m.

In Trench problem 6.3.1 (solution on pg. 742 of pdf), the sqrt(15) inside the cosine is a typo, it should be sqrt(31).

Also in Trench problem 6.3.5 (solution also on pg 742), the coefficients are wrong. The coefficients of the cosine and sine terms, respectively, should be 2 and 242/3.

Section 4 exact equations, in Trench 37(a) (pg 82) the answer in the back should read $2x^2+x^4y^4+2y^2 = c$. The coefficient on y² should be 2.