Suggested Problems from
Boyce-DiPrima
Elementary Differential Equations and
Boundary Value Problems
10th Edition

Sec. 1.3: 1, through 7, 15 through 17, 19 through 28.

Sec. 2.1: 1(c) through 12(c), 13 through 20, 21(b,c) through 26(b,c) (the critical value is defined in part (a)), 30, 31.

Sec. 2.2: 1 through 8, 9(a,b) through 20(a,b).

Sec. 2.3: 1 through 4, 6 through 11, 13, 15, 19

Sec. 2.5: 1 through 5, 7(a,b), 8 through 13, 20, 21, 22

Sec. 3.1: 1 through 18, 20 through 24.

Sec. 3.2: 1 through 6.

Sec. 3.3: 7 through 22.

Sec. 3.4: 1 through 14, 16, 18.

Sec. 3.5: 1 through 20, 21(a) through 28(a).

Sec. 3.6: 1 through 20.

Sec 3.7: 1 through 11, 13, 17.

Sec 3.8: 1 through 12.

Sec. 5.4: 1 through 16.

Sec. 6.1: 5(a,b), 6, 11 through 14, 15, 16, 21, 22.
Sec. 6.2: 1 through 23.

Sec. 6.3: 1, 7, 8, 19, 20.

Sec. 6.4: 1, 2, 6(a).

Sec. 6.5: 1(a), 2(a), 4(a), 6(a), 8(a).

Sec. 7.1: 1 through 3.

Sec. 7.2: 2, 22, 23.

Sec. 7.3: 16 through 21.

Sec. 7.5: 1(a) through 6(a) (also plot the phase portrait), 15, 16, 24 through 27.

Sec. 7.6: 1(a) through 6(a) (also plot the phase portrait), 9 through 12.

Sec. 9.1: 1(a,b,c) through 12(a,b,c).

Sec. 10.1: 1 through 20.

Sec. 10.2: 1 through 18.

Sec. 10.3: 1 through 6, 7(a) through 10(a).

Sec. 10.4: 1 through 22.

Sec. 10.5: 1 through 12.

Sec. 10.6: 1 through 8, 9(a,b,c), 10(a,b), 11(a), 12(a,b), 13(a,c), 14(a), 15, 16(a), 17(a).

Sec. 10.7: 1(a) through 8(a), 9, 10(a).

Sec. 10.8: 1(a,b), 2, 3(a,b), 5, 6(a,b)