Homework Assignments

Math 3502

Differential Equation

Assignment # 1: Section 1.1 (P. 9) 30, 36, 50

Section 2.1 (P. 32) 10

Section 2.2 (P. 38) 12, 28, 41

Section 2.3(P. 45) 16, 22, 34 (Hint: put x = vy)

Assignment # 2: Section 2.4(P. 52) 14, 25, 34

Section 2.5(P. 60) 20, 24, 48

Section 2.6(P. 65) 8

Section 2.7(P. 69) 8

Assignment # 3: Section 3.1(P.80) 11, 13, 17

Section 3.2(P. 89) 5, 13

Section 3.3(P.100) 3, 5

Section 4.1(P.130) 9, 27, 35

Assignment # 4: Section 4.2(P.137) 17, 25

Section 4.3(P. 144) 32, 44

Section 4.4(P.155) 11, 17

Section 4.5(P.162) 29

Section 4.6(P. 168) 11, 14

Section 4.7(P. 174) 14, 17

Assignment#5: Section 5.1(P.189) 7, 13

Section 5.2(P.198) 11

Section 6.1(P.229) 15, 19, 31

Section 6.2(P.239) 27

Section 6.3(P.247) 11

Assignment#6: Section 7.1(P.282) 5, 25, 37

Section 7.2(P.295) 25, 31

Section 7.3(P.305) 11, 17, 53

Section 7.4(P.312) 13, 19

Section 7.5(P.324) 7