

MATH 246E SECTION 0501 (Spring 2002)

ORDINARY DIFFERENTIAL EQUATIONS
FOR SCIENTISTS AND ENGINEERS

HOMEWORK PROBLEMS

CHAPTER 1

1.1: 1,5,8,11,15,17,18,22

1.2: 1,2,3,6,8,15

1.3: 1,2,6,9,12,17,19,

CHAPTER 2

2.1: 1,3,6,12,13,15,18,21,23,25,28,30,31,32,35,

2.2: 1,4,7,11,12,13,14,17,21,23,28,30

2.3: 1,3,4,8,10,11,15,19,20,21,22,23

2.4: 1,4,7,9,11,14,16,17,22,25,32

2.5: 3,5,7,9,20,22

2.6: 5,7,8,12,13,15,25,27,28

2.7: 1,4

MATLAB SET B: 3,6,13

CHAPTER 8

8.1: 1,5

8.2: 1,5

8.3: 1,5

MATLAB SET C: 1,4,14

CHAPTER 3

3.1: 1,3,6,9,10,12,17,21,25,27

3.2: 1,2,3,7,9,11,13,14,17,19,21,23,24,25

3.3: 1,4,7,10,12,15,24

3.4: 4,8,10,12,17,18,19,26,27,38,39

3.5: 1,4,5,12,13,15,16,22,24,25,28

3.6: 1,2,4,11,13,14,16,17,19,20,21,28,30,31

3.7: 1,3,7,14,15,16,29,31

3.8: 1,6,9,13,15,26

MATLAB SET D: 3,4,5

CHAPTER 6

6.1: 2,5,7,9,11,15,21

6.2: 2,3,7,11,14,16,17,24,28,29, 36(a)

6.3: 1,2,7,9,15,17,19,21,22

6.4: 2,5,9,16

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ORDINARY DIFFERENTIAL EQUATIONS
FOR SCIENTISTS AND ENGINEERS

HOMEWORK PROBLEMS (continued)

CHAPTER 7

- 7.1: 3,4,5,7,8,10,12,15,22
- 7.2: 2,4,7,8,10,11,23,24
- 7.3: 6,7,13,14,15,16,19,20
- 7.4: 2,5,6,7
- 7.5: 1,3,5,7,11,15,16,29
- 7.6: 1,5,7,9,10,27
- 7.7: 1,2,4,6,7

CHAPTER 9

- 9.1: 1,2,5,7,11,15,17
 - 9.2: 2,3,4,5,7,18,19
 - 9.3: 1,2,5,7,13,14
 - 9.4: 1,2,4
 - 9.5: 1,4
- MATLAB SET F: 1,5,8