

**All problem numbers are according to *Chapra, S. C. and Canale, R. P. "Numerical Methods for Engineers", Seventh Edition, 2015, McGraw Hill.***

Chapter 4

Problems: 4.5 and 4.6

Chapter 5

Problems: 5.1, 5.2, 5.4, 5.5, 5.7, 5.9, 5.13, 5.14, 5.15, 5.17, and 5.21

Chapter 6

6.1, 6.2, 6.5, 6.7, 6.9, 6.10, 6.12, 6.14, 6.19, and 6.21

Chapter 9

9.1, 9.2, 9.8, 9.10, 9.11, 9.12, and 9.19

Chapter 10

10.2, 10.3, 10.4, 10.9 and 10.10

Chapter 21

21.1 to 21.3, 21.09 to 21.14

Chapter 23

23.1 to 23.3, 23.8 and 23.9

Chapter 25

25.1 to 25.7, and 25.16

Chapter 27

27.2 to 27.5 ( $\Delta x$  is the same as  $h$  or the "step size").