## MATH 3321

## ENGINEERING MATHEMATICS

## Practice Problems

## Chapter 1

Exercises 1.2: 1, 2, 3, 4, 7, 9, 10, 12, 16, 17, 18, 22, 23, 25, 26, 27
Exercises 1.3: $2,3,6,7,8,9,11,13,14,15,18,19,20,22,23,26$
Exercises 1.4: 2, 3, 5, 7, 8

## Chapter 2

Exercises 2.2: 2, 3, 4, 7, 9, 11, 14, 17, 18, 20, 21, 23, 25, 26
Exercises 2.3: 3, 5, 6, 7, 8, 9, 11, 13, 14, 15, 16, 19

Exercises 2.4: 1, 2, 3, 5, 7, 9, 10, 11, 13, 14, 17, 19, 21, 22, 24
Exercises 2.5:
2.5.1: $1,3,4,8,9,10,11$
2.5.2: $1,2,3,5,6,7,8,11$
2.5.3: $1,3,4$
2.5.4: 1, 2
2.5.5: 1,4
2.5.6: 1, 2
2.5.7: $1,2,3,5,6$

Exercises 2.5: 3, 4

## Chapter 3

Exercises 3.2: 1, 2, 4, 6, 7, 9, 10, 13, 14, 16, 18, 19, 22, 24
Exercises 3.3: 1, 2, 3, 4, 7, 8, 11, 12, 17, 20, 21, 23, 25, 26, 30, 31, 33, 34, 35, 36, 40, 43, 44, 45
Exercises 3.4: 1, 3, 4, 7, 8, 12, 13, 14, 15, 17, 19

Exercises 3.5: 1, 2, 4, 4, 7, 9, 10, 13, 15, 18, 19, 21, 22, 23, 25, 26, 28, 29, 31, 33
Exercises 3.6: 1, 3, 4, 5, 6, 9, 11

Exercises 3.7: 1, 3, 5, 8, 9, 11, 13, 14, 17, 18, 21, 23, 24

## Chapter 4

Exercises 4.2: 1, 3, 4, 5, 7, 11
Exercises 4.3: 1, 2, 3, 4, 6, 7, 9, 11, 16, 17, 18, 19, 21

Exercises 4.4: 1, 3, 5, 6, 7, 9, 10, 11, 12, 14, 15, 16, 20, 23, 24, 27, 29, 31, 33, 35
Exercises 4.5: 1, 2, 4, 5, 9, 11, 12, 13, 14, 15, 17, 19, 20
Exercises 4.6: 1, 3, 5, 7, 8, 9, 11, 13, 16
Exercises 4.7: 1, 2, 3, 5, 7, 11

## Chapter 5

Exercises 5.2: 1, 2, 3, 5, 8, 9, 11, 12, 15
Exercises 5.3: $1,3,4,5,6,11,13,14,15,16,18,19,21,24,25,27$
Exercises 5.4: 2, 3, 4, 5, 8, 9, 10, 11, 13, 15, 17, 19, 21, 22, 27, 29
Exercises 5.5: 1, 3, 4, 5, 6, 8, 11, 14, 15
Exercises 5.6: 1, 3, 4, 5, 7, 8, 9, 13, 16, 17, 18, 19, 21, 22, 25, 27, 28, 30, 31, 33, 34, 36, 39
Exercises 5.8: $3,5,6,7,9,11,14,17,18,19,20,22,23,26$
Exercises 5.9: 1, 3, 4, 7, 8, 9, 11, 13, 15, 17, 18, 19, 21

## Chapter 6

Exercises 6.1: 1, 3, 5, 7, 9, 12, 13, 14, 15
Exercises 6.2: 2, 3, 5, 6, 8, 12, 13, 15, 16, 17, 18
Exercises 6.3: 2, 3, 5, 7, 8, 9, 12, 14
Exercises 6.4: 2, 3, 5, 6, 7, 9, 11, 12, 13, 17

