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A Basis Theory Primer:
Suggested Exercises for Self Study

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Suggested Exercises for Self Study

Of course I encourage readers to work all of the exercises from “A Basis Theory Primer.” However, this is not always practical, so for readers engaged in self-study I list below the exercises that I think are the most important for the student to work out. There are hints for some exercises at the end of the text. Please send comments on the text to me at the address “heil@math.gatech.edu”.

Chapter 1, Exercises 1.n:

12, 13, 14, 21, 28, 31, 36, 37, 38, 39, 42, 44, 46, 47, 52, 54, 61, 62, 63, 66, 68, 75, 78, 79

Chapter 2, Exercises 2.n:

4, 5, 7, 9, 11, 12, 14, 16, 17, 19, 20, 21, 22, 25, 26, 29, 31, 34, 35, 37, 38, 39, 40, 47, 51

Chapter 3, Exercises 3.n:

3, 8, 10, 12, 13

Chapter 4, Exercises 4.n:

2, 3, 8, 9, 13, 14, 15, 17, 21, 25, 26, 27

Chapter 5, Exercises 5.n:

1, 2, 5, 7, 9, 11, 13, 15, 17, 18, 19, 20

Chapter 6, Exercises 6.n:

1, 2, 3, 4, 5

Chapter 7, Exercises 7.n:

2, 3, 4, 5, 6, 8, 9, 10, 14, 15, 16, 18, 20

2 Suggested Exercises for Self Study

Chapter 8, Exercises 8.n:

4, 5, 6, 7, 8, 9, 10, 14, 16, 17, 18, 21, 22, 24, 26, 27, 35

Chapter 9, Exercises 9.n:

2, 3, 4, 5, 6

Chapter 10, Exercises 10.n:

3, 4, 5, 6, 8, 9, 13, 15, 16, 17, 19, 21

Chapter 11, Exercises 11.n:

3, 4, 6, 7, 8, 9, 10, 11, 12, 16, 17, 18, 19, 21, 22, 24, 25, 28, 29, 30, 31

Chapter 12, Exercises 12.n:

1, 3, 9, 10, 11, 13, 15, 19, 21, 23, 25, 29, 30, 37, 38, 39

Chapter 13, Exercises 13.n:

1, 2, 3, 4, 7, 8, 9, 11, 12, 13, 14, 15, 16, 19, 21, 22, 23, 24, 26

Chapter 14, Exercises 14.n:

1, 2, 3, 4, 5, 6, 7