| Chapter 1 |  |  |
| :---: | :---: | :---: |
| Section | Page | Exercises |
| 1.1 | 8 | 1, 5, 6, 8, 10, 14(a,c), 16, True or False Exercise |
| 1.2 | 22 | 1, 2, 4, 5, 6, 9, 10, 13, 14, 16, 17, 18, 29 |
| 1.3 | 36 | 1, 2, 3, 4, 6, 11, 15 |
| 1.4 | 49 | 1(c,d), 2(a,b), 3, 4, 5, 6, 7, 8, 10, 11, 16, 17, 22(b), 45(a) |
| 1.5 | 58 | 1,4,5(c), 7(a), 10(a), 11(a), 19(a,b), 22, 29 |
| 1.6 | 66 | 1, 3, 5, 7, 8, 10, 14, 15, 18, 19 |
| 1.7 | 72 | 1, 2, 3, 4, 7, 9, 11, 17(a), 25, 27, 32, 34, True or False Exercise |


| Chapter 2 |  |  |
| :---: | :---: | :---: |
| Section | Page | Exercises |
| 2.1 | 111 | 1, 3,5, 6, 9, 10, 15, 16, 19(b,c), 21, 27, 28, 30, 34, True or False Exercise |
| 2.2 | 117 | 1, 4, 6, 7, 10, 12, 15 $\rightarrow 22,24$ |
| 2.3 | 127 | 1, 4, 5, 7, 8, 15, 18, 20, 24, 25, 30, 35 |


| Chapter 3 |  |  |
| :---: | :---: | :---: |
| Section | Page | Exercises |
| 3.1 | 140 | $\mathbf{1 , 2 , 3 , 9 , 1 2 , 1 8 , 1 9}$ |
| 3.2 | 153 | $\mathbf{3 , 4 , 6 , 7 , 9 , 1 1}$ |
| 3.3 | 162 | $\mathbf{2 , 2 9 , 3 0}$ |


| Chapter 4 |  |  |
| :---: | :---: | :---: |
| Section | Page | Exercises |
| 4.1 | 190 | $1 \rightarrow 9$ |
| 4.2 | 200 | 1, 2, 3, 8, 9, 10, 11, 12, 13, 15 |
| 4.3 | 210 | 1, 2(b,d), 3(b,c), 4(a,c), 9, 11, 16(a,c) |
| 4.4 | 219 | $1 \rightarrow 5,7(a), 8,9,11(\mathrm{a}), 13(\mathrm{a}), 14(\mathrm{a}), 15$ |
| 4.5 | 228 | 1, 2, 6, 8, 10, 12(a), 14 |
| 4.7 | 246 | 1(b), 2(b), 3(a), 5, 7(a,b), 9(b), 10(b), 11(b) , 12(b), 14, 16, 19 |
| 4.8 | 256 | 1(a,b), 3, 7, 9, 10, 15, 18, 19, 28 |
| 4.9 | 268 | 1, 3, 5, 7, 9(a,c), 11(a,d) |
| 4.10 | 277 | 2(a), 3, 4, 6, 7, 9, 11, 12, 13(a,c), 15(a,c), 18(a,b), 19(b), 20(a) |

## Chapter 5

| Chapter 5 |  |  |
| :---: | :---: | :---: |
| Section | Page | Exercises |
| 5.1 | 300 | $\mathbf{3 , 5 ( a , d ) , ~ 7 , ~ 9 , ~ 1 3 , ~ 1 4 , ~ 3 3 ~}$ |

