

Math 3450 Linear Algebra
Assignments
Anton, 9th edition

Chapter 1

- 1.1 p. 6 – 7 # 1a,c,e,f; 2, 3b,c; 4a,c; 5a,c; **8, 11**
- 1.2 p. 19 – 23 #1a,b,d,f,g,h,j; 2a,b,c,e,f; 3, 4a,c; 5a,d; **6a, 7c**, 8b, 9c, 10b, 12, **13b**, 14a, 15a, **16a, 17**, 18, 22, 25
- 1.3 p. 34 – 38 #1, 2, 3b,f,j; 4a,g,h; 5b,c,g,k; 6a,b,e; 7a,d; **8a, 10a, 12a**, 13a, 14a, 15a, **18, 19**
- 1.4 p. 48 – 51 #1b,c; 2b,d; 3d, 4a, **7b,c**; 8, 9c, **15, 16, 17(give examples on 15, 16),29**
- 1.5 p. 57 – 60 #1, 2, 3a, 5b, 6b, 7b, 8c, 9a,b; **10, 14, 17, 18**, (Note #19)
- 1.6 p. 66 – 68 #1, **3, 6, 9, 14, 17, 21, 23, 31**
- 1.7 p. 73 – 76 #1, 2a, 3, **6, 7, 12, 13, 15, 16, 18, 24**
- 9.9 p.511–519 #1, 2, 3, 5, 7 (*LU*-decomposition)

Chapter 2

- 2.1 p. 94 – 96 #1, 4, **6, 11, 19, 25**
- 2.2 p. 101 – 102 #1, 2, **6, 9, 10, 11, 12, 19**
- 2.3 p. 109 – 111 #1a, 3, 4a, **5, 7, 10, 12a, 14b, 15(applied to 14b only), 16**
- 2.4 p. 117 – 118 #1, 2, 5, 9, **13a, 17a, 18, 20**

Chapter 4

- 4.1 p. 178 – 180 #1, 2, 3, 5a,b; 6a,b,c; **7, 8, 9c**, 11c, 14a,e; **15a**, 16, 17c, **20, 23**
- 4.2 p. 193 – 197 #1a,b; 2a,b; **3, 4a,c; 5b**, 6, 7, 8,11,13,16,18, **25a**
- 4.3 p. 206 – 209 #1a,b,c,d; 2a,c; **4, 5a, 6a, 8a,b; 9a,b; 11b, 15, 16, 20, 22**
- 4.4 Omit

Chapter 5

- 5.1 p. 226 – 229 #1, **5, 6, 9, 12, 15**
- 5.2 p. 238 – 240 #**1c, 2c, 3c**, 4c, **5b**, 7, **9, 10, 11b,c**; 12, 17, 21a, **22**
- 5.3 p. 248 – 250 #1, **2c,d**; 3c,d; **4a,b**; 7, 9 **11, 13, 15**, 20a,d
- 5.4 p. 263 – 265 #1, 3b,d; 4b,d; **6, 7a,b; 9b**, 10b, 11, 12, **14**, 19b,c; 20, **21a**, 25, 26 (For 25 and 26, do the proof for $n = 2$), **27a,c**
- 5.5 p. 276 – 278 #2a,c; **3b,d,e; 5c, 6c,d; 7, 8c,d; 9c,d**; 10c,d; 11a, **12b**,
- 5.6 p. 288 – 290 #**2b,d; 3, 4, 5, 6, 7, 8, 9, 15, 17, 19**