§4.5 Theorems 9 and 10; definition of dimension; Theorems 11 and 12; relationship of dim Nul A and dim Col A to pivot columns

p. 229 - computations: 1, 3, 5, 7, 9, 11, 13, 15, 17, 23; theory: 21, 27

#19 - a-T, b-F, c-F, d-F, e-T
#20 - a-F, b-F, c-F, d-F, e-T
#29 - a-T, b-T, c-T
#30 - a-F, b-T, c-F

§4.6 definition of row space; Theorem 13; definition of rank; Theorem 14; Invertible Matrix Theorem (continued)

p. 236 - computations: 1, 3, 5; theory: 7, 9, 11, 13, 15, 27

#17 - a-T, b-F, c-T, d-F, e-ignore
#18 - a-F, b-F, c-T, d-T, e-T

§4.7 Theorem 15; change-of-coordinate matrices between bases; algorithm to find such a matrix given specific bases

p. 242 - computations: 1, 3, 5, 7, 9, 13

#11 - a-F, b-T
#12 - a-T, b-F

“Required” Problems for Wednesday, 8/6 - Be prepared to present a solution to any of the following. Problems grouped in parentheses count as a single presentation.

4.5 17

4.6 1

4.7 1, 7, 13