MATH-2203 Practice Problems
(From Elementary Linear Algebra, 8th edition, Ron Larson)

**Review exercises:**

Pg. 71: 1-17 (odd); Pg. 116–117: 1–11 (odd), 33, 34, 39, 41; Pg. 406 (from the online chapter 8 on complex vector spaces): 1–6 (odd), 17–49 (odd), 51–59 (odd)

Pg. 159: 1–31 (odd), 35, 37, 39, 43 (this section is also review)

Pg. 166: 1–34, 37, 38, 41

Do all subspace examples on last page of Handout 3

Pg. 173: 1–3 (odd), 7, 13–19 (odd), 29, 31, 32, 34, 37–41 (odd)

Pg. 184: 1–7 (odd), 9–25 (odd, don't worry about geometric description), 27–51 (odd)

Pg. 193: 1–33 (odd), 39–63 (odd)

Pg. 193: 67, 71, 73 (don't worry about geometric description, 75–78

Pg. 205: 5–25 (odd)

Pg. 205 (after Feb 6 class): 27–41 (odd), 42, 43, 45

Pg. 216: (book calls what I call the "coordinate vector" the "coordinate matrix") 1–23 (odd), 37, 39

Pg. 217: 45-51 (odd)

Pg. 306: 1–43 (odd), 51–55 (odd)

Pg. 318 (section 6.2): 1–29 (odd), 37–51 (odd), 53, 54, 59, 60

Pg. 318 (section 6.2): 56 (a,b,d,e,g), 60

Pg. 328 (section 6.3): 1–9 (odd), 11, 13, 23–29 (odd), 31-43 (odd), 44, 51

Pg. 356 (section 7.1): 15–27 (odd), 41, 43

Quiz 4 is on the below

Pg. 356 (Section 7.1): 45, 47, 69, 71, 75, 76, 77

Pg. 366 (Section 7.2): 1–5 (odd), 7–19 (odd), 27-30 (odd), 33, 35

Pg. 376 (Section 7.3): 1, 2, 19, 20, 22, 26

Pg. 251 (Section 5.2): 1 – 7 (odd), 17 – 25 (odd), 27, 29, 31, 33, 35, 37