

M341 (92150), Homework #13

Due: 10:00am, Friday, Aug. 16

Instructions: Questions are from the book "Elementary Linear Algebra, 4th ed." by Andrilli & Hecker. Please show all your work, not only your final answer, to receive credit. Keep answers organized in the same order the problems have been assigned.

Dimension theorem (5.3)

p. 345-349, #3(c), 4(h)

One-to-one and onto linear transformations (5.4)

p. 354-356, #5

Diagonalization of linear operators (5.6)

p. 386-389, #2(b)

In addition:

- A) Complete the sample final exam posted online and attach your work.