

MA 351 Fall 2024 (Aaron N. K. Yip)

Homework 4

Due: Thursday, Sept. 19, in class

Penney, Linear Algebra: Ideas and Applications (4th edition)

Section 1.1 EXERCISES, p. 17: 1.3, 1.5, 1.14, 1.23, 1.26, 1.27, 1.31, 1.32, 1.33.

Remark.

For 1.5, you should describe *all* the possible relation between the vectors, i.e. you need to find out the dependence equation between the vectors.

For 1.14, 1.23, again, I will ask you to go beyond what are asked in the questions. You should describe *all* those vectors not in the span of the given list of vectors. It is not sufficient by just giving one example.