

MATH 2P12, Fall, 2018

ASSIGNMENT #1

Due 4 pm. Friday, Sep. 28, 2018

The following questions are from the text book (11th edition):

Section 4.1, # 2, 4 (show details), 7, 28.

Section 4.2, # 1(c), (d), 2 (b), (c), (g), 9(a), 10(b), 13.

Section 4.3, # 2(a), (b), 5(a), 7(b), 11.

The following question is not from the text book.

Question: For any three linearly independent vectors u, v and w in a vector space V , prove that the vectors $u - v, v - w$ and $u + v + w$ form a linearly independent set.

Additional Practice Exercises. Not To Be Submitted.

Section 4.1, # 1, 6, 9, 11, 12, 18, 25.

Section 4.2, # 1(a), (b), (e), 2(a), (d), 3, 9(b), (c), (d).

Section 4.3, # 3(a), 4(a), 7(a), 13.