

- Vector spaces and subspaces
    - Suggested review: homework #2 problems 2, 4, and 6(a)-(b).
    - Suggested reading: lecture notes 1.1-1.2.
  - Linear independence, span, bases, dimension.
    - Suggested review: homework #2 problems 3/5/7, homework #3 problems 4 and 5(a)-(b).
    - Suggested reading: lecture notes 1.3-1.5.3.
  - Computing bases of vector spaces and subspaces
    - Suggested review: homework #3 problems 2-3.
    - Suggested reading: lecture notes 1.5.4.
  - Linear transformations
    - Suggested review: homework #4 problems 2 and 3(i).
    - Suggested reading: lecture notes 2.1.
  - Kernel and image, the nullity-rank theorem and its applications
    - Suggested review: homework #4 problems 3(ii)-(iii), 5.
    - Suggested reading: lecture notes 2.2.
  - One-to-one and onto transformations, isomorphisms, and their properties
    - Suggested review: homework #4 problems 3(iv), 4, 6, and 7
    - Suggested reading: lecture notes 2.3.
  - Matrices associated to linear transformations, rank and inverses.
    - Suggested review: homework #5 problems 2-4(c).
    - Suggested reading: lecture notes 2.4.1-2.4.4.
  - Similarity and change of basis
    - Suggested review: homework #5 problems 4(d), 6, and 7.
    - Suggested reading: lecture notes 2.4.5.
  - True/false and miscellaneous tidbits
    - Suggested review: homeworks #2-#5 problem 1
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