

Review problems:

- Section 6.1: 8, 18, 23, 25, 30.
- Section 6.2: 1, 2, 8, 10, 14, 15, 16, 17.
- Section 6.3: 8, 11 (without citing later exercises).
- Section 6.4: 1, 6, 10, 14, 17.
- Section 6.5: 1, 2, 5, 7, 9, 15, 20, 29.
- Section 6.6: 1, 5, 6.
- Prove that any orthonormal subset of an inner product space is linearly independent.
- Section 5.2: 7, 10, 19.
- Section 5.4: 4, 7, 8, 11, 16, 20, 22, 28, 29, 30, 33, 37, 38, 39, 40, 42.
- Section 7.1: 6, 7, 12, 13.
- Section 7.2: 10, 14, 15.
- Section 7.3: 14, 16.