

Homework #11

Problems from the textbook:

Problems 25.1(a,b), 27.1, 27.6.

Hint for 25.1(a) (in addition to the hint in the textbook): since the matrix is hermitian, it is enough to show that the geometric multiplicity of each eigenvalue is 1, since for such matrices $\text{geom. multiplicity} = \text{algebraic multiplicity}$.