

Homework 8 (due May 10)

1. Using eigshow, consider the following questions for 2×2 matrices

Which matrices are singular?

Which matrices have complex eigenvalues?

Which matrices have double eigenvalues?-

In each case answer why?

2. Do problem 10.1

3. Read Section 10.11 and understand it. Then do problem 10.12

4. Do problem 8.1 and 8.8