

MATHEMATICS 2270. Homework # 10.

1. §7.1, # 6.
2. §7.1, # 34. Hint: first write down the matrix of the corresponding linear transformation using the coordinates associated with the basis of eigenvectors and then do the change of coordinates.
3. §7.2, # 8.
4. §7.2, # 12.
5. §7.3, # 12.
6. §7.3, # 36.