

Elementary Linear Algebra - MATH 2250 - Quiz 11

Name:

For the following problems, think of a basis first (you don't need to provide the basis).

1. What is the dimension of the space of all 2×2 matrices?
2. What is the dimension of the space of all 2×2 diagonal matrices?
3. What is the dimension of the space of all 2×2 symmetric matrices.
4. Write a 3×4 rank one matrix.