

Elementary Linear Algebra - MATH 2250 - Quiz 25

Name:

1. The eigenvalues of a real symmetric matrix are \_\_\_\_\_ numbers.
2. The eigenvectors of a real symmetric matrix can be chosen \_\_\_\_\_.
3. A positive-definite matrix is a matrix whose eigenvalues are all \_\_\_\_\_ real numbers.
4. If  $A$  is positive-definite, then  $\det(A)$ \_\_\_\_\_.
5. ☐ T ☐ F If  $\det(A) > 0$ , then  $A$  is a positive-definite matrix.