

Elementary Linear Algebra - MATH 2250 - Quiz 27

Name:

1. Let $A = \begin{bmatrix} 1 & 1 \\ 1 & x \end{bmatrix}$. Find all x such A is positive definite.

2. Let A be a matrix that $\begin{bmatrix} 1 & 2 \end{bmatrix} A \begin{bmatrix} 1 \\ 2 \end{bmatrix} > 0$.

☐ T ☐ F The matrix A is positive definite.