



LINEAR ALGEBRA
SPRING 2024

ASSIGNMENT 5.1
DUE FEBRUARY 14

For each of the following matrices find an elimination matrix E so that $EA = I$, and verify that it also satisfies $AE = I$.

Exercise 1.

$$\begin{pmatrix} 1 & 1 & 0 \\ 1 & 1 & 1 \\ 0 & 1 & 1 \end{pmatrix}$$

Exercise 2.

$$\begin{pmatrix} 0 & 1 & 3 \\ 1 & 0 & 3 \\ -2 & 0 & -5 \end{pmatrix}$$