

Math 218D

Quiz 2

1. If A is a 5×3 matrix, which elementary matrix E and which matrix multiplication would you use to perform the row operation $R_2 \leftarrow 7R_4$ on A ?

2. Determine if the following statements are **True** or **False**.

(1) _____ : A square matrix A is invertible if and only if the RREF of A is I_n

(2) _____ : The matrix $\begin{pmatrix} 2a & 2b \\ 9a & 9b \end{pmatrix}$ is invertible.