

Elementary Linear Algebra - MATH 2250 - Quiz 19

Name:

1. $\begin{vmatrix} 0 & a & 0 \\ 0 & 0 & b \\ c & 0 & 0 \end{vmatrix} =$

2. $\begin{vmatrix} 0 & 0 & 0 & a \\ 0 & 0 & b & 0 \\ 0 & c & 0 & 0 \\ d & 0 & 0 & 0 \end{vmatrix} =$

3. How many 4×4 permutation matrices are there? What are their determinants?

4. How many terms are in the 'big formula' for the determinant are there? What are their 'signs'?