## Name: Igwedinma Chukwukamadu Paul <br> Matric number: 18/sci01/038

1). An $n \times m$ matrix $A$ is called nonsingular or invertible if there exists an $n \times n$ matrix $B$ such that. $A B=B A=I$. If $A$ does not have an inverse, $A$ is called singular. A matrix $B$ such that $A B=B A=1$ is called an inverse of $A$.
2). A singular matrix if its determinant is zero.


A nonsingular matrix if its determinant is not zero


