## Determinant 353 1 derA = 141 $\begin{bmatrix} a & b \\ c & d \end{bmatrix} = ad - bc$

- properties

  C det I = 1Description of the sign of
  - (4) two rows equal, det A = 0
  - 3 Youk Lirowi de don't change
  - (6) to 0(1) det =0

  - 3 det A =0, exactly when it is singular det A PU, A 可逆

0 det 
$$AB = det A * det B$$
  
 $det A^{-1}A = det A^{-1} \cdot det A = 1$   
 $det A^{-2} = (det A)^{-2}$   
 $det 2A = 2^{n} * det A (A:nxn)$