· Orfagereereels a) $\begin{vmatrix} \sin x - \cos x \end{vmatrix} = \sin x \cdot \sin x - (-\cos x) \cdot \cos x = \cos x$ - Sin2x + cos2x = 1 8 46 -8.5.9+0.6.0+4.1.0-0.5.6-409--1.0.8 = 360+0+0-0-0-0=360; $\begin{vmatrix} 234 \\ 567 \\ 8910 \end{vmatrix} = 2\begin{vmatrix} 67 \\ 910 \end{vmatrix} - 3\begin{vmatrix} 57 \\ 810 \end{vmatrix} + 4\begin{vmatrix} 56 \\ 89 \end{vmatrix} = 2\cdot (-3) - 3\cdot (-6) + 4\cdot (-3)$ = -6+18-12 = 0; - def(A)= 4: a) $det(A^2) = 16$ 8) $det(A^1) = 4$ 6) $det(2A) = 2^n det(A) = 2^{2+n}$

- Lougers, no majury borpongennas 1-29+76-30=0 - yeeromery 10 -2 => 49-14b+6e=0 -39+7b+13=0 49-146+6c=0 ruencokar 49-146+6c=0 zakucumbero!=> waterga -30+76+13=0 Ceepenige Ceepenigerener · Pauz extensor a) rang (123) (1)+(2) (234) (1)-(3) (000) = 2; 5) rang (0021) (1)-(2/0043) (1)-(1) (0000) = (0022 = (0043) = (0022) = 3;