6.7. (a) Give the defortion of the determinant of a matrix A in terms of cofactors of the elements.

For metrix A, pick any nou, or dumn, compute

is the (i,i) element, (i) is the i, (ofactor, along this pow, the result is the determinant of A.

Or, let C(gxp) depose the efactor matrix of gap,

hehave  $\frac{C(g_{op})^T}{\det(g_{op})} = g^{op}$ 

 $\Rightarrow$   $C(y_{ds}) = det(y_{ds})$ .