12.4. To interchange the first at second columns,  $ME = \begin{pmatrix} a & b \\ c & \lambda \end{pmatrix} \begin{pmatrix} a & b \\ 1 & 0 \end{pmatrix}$ = ( b c ) To scale the first colon by s, and the second by 12, We do ME = ( a L ( 5, 0 ) Lastly, to scale the first column by s, and add it to the secont, we do ME s ( a ) ( 1 s, ) 5 (c s,c+d) And likewice to scale the second column by a and add it to the first wedo MEs ( c b) ( s , ) s ( a + b s b )