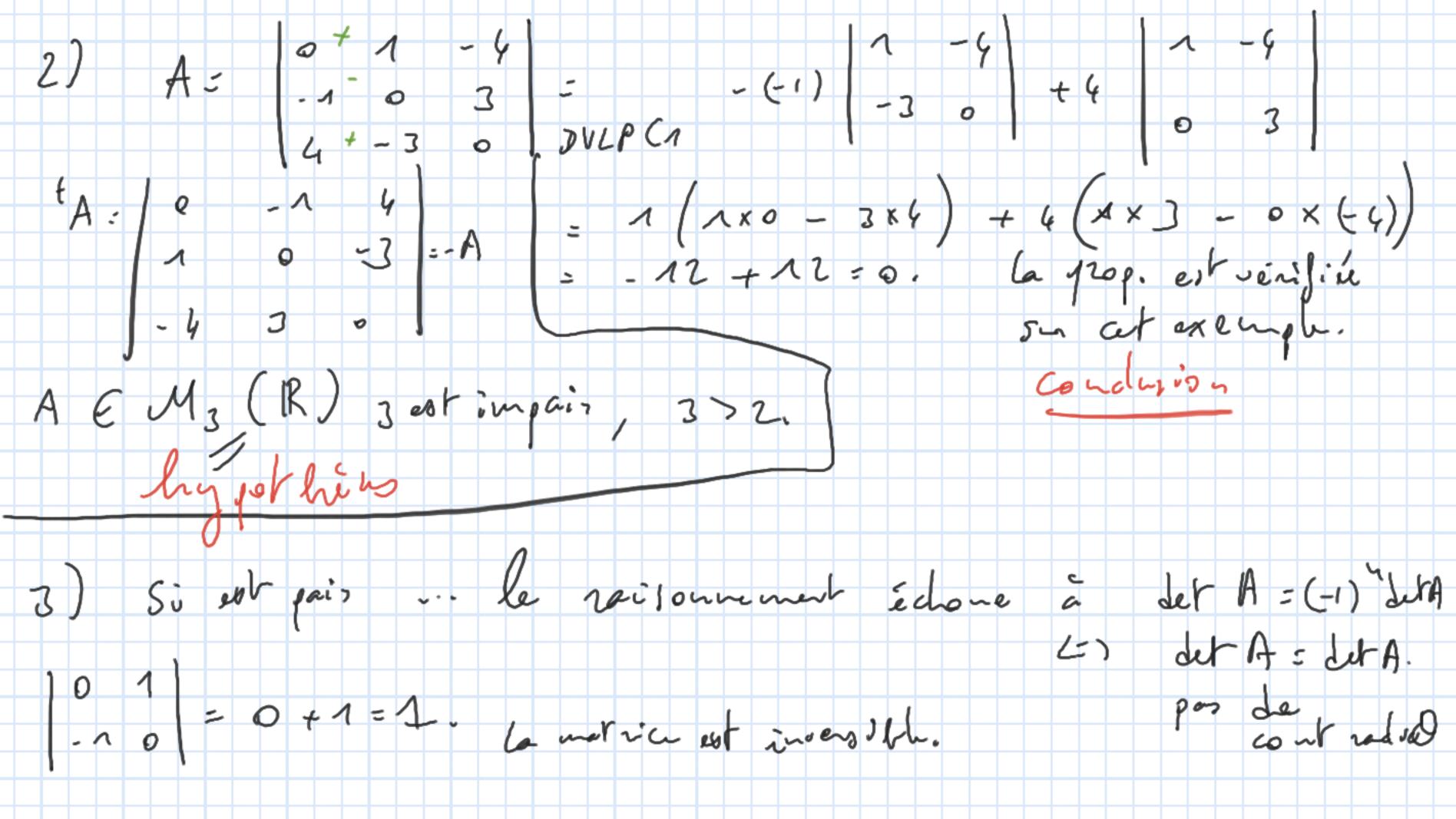
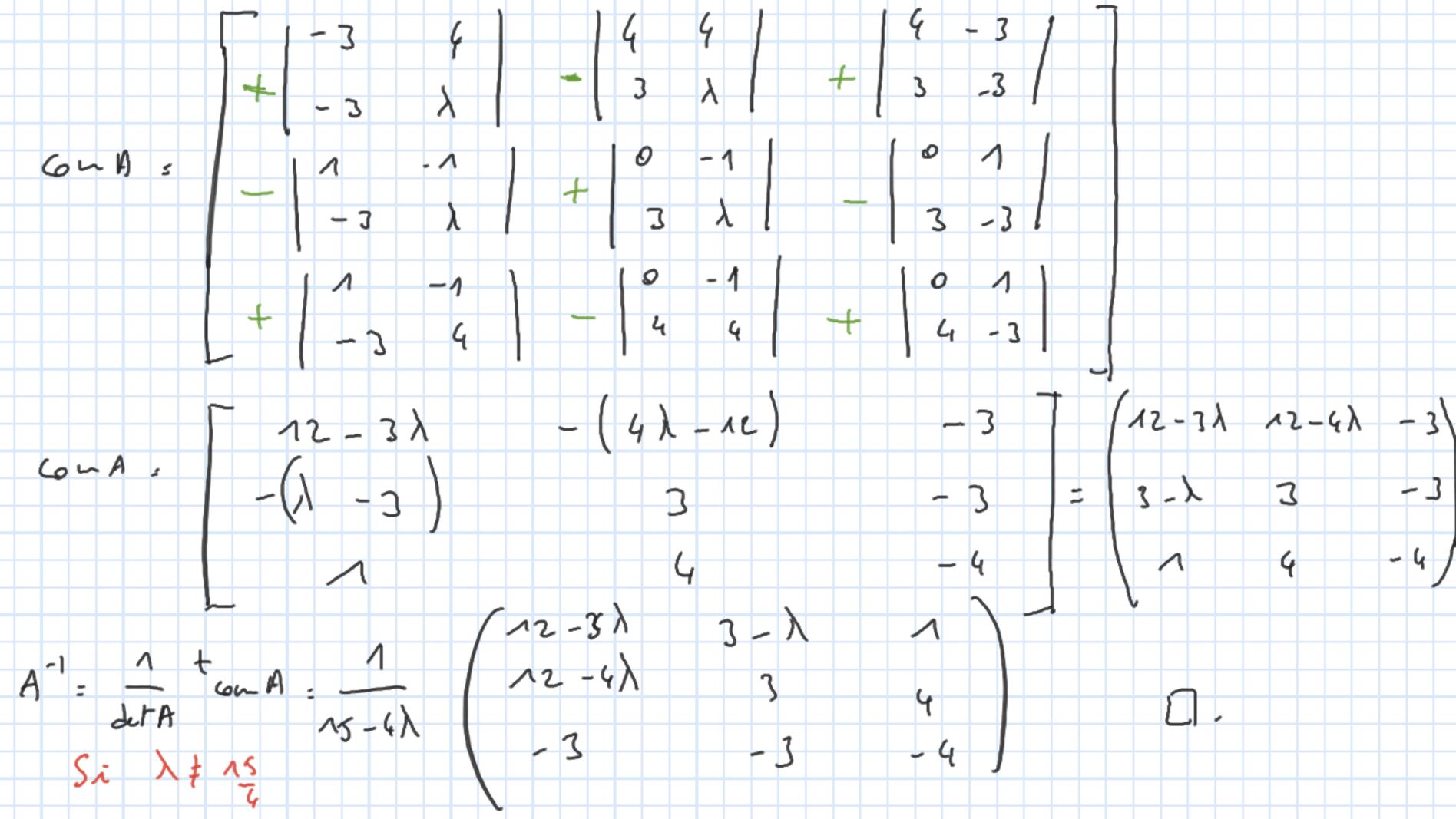
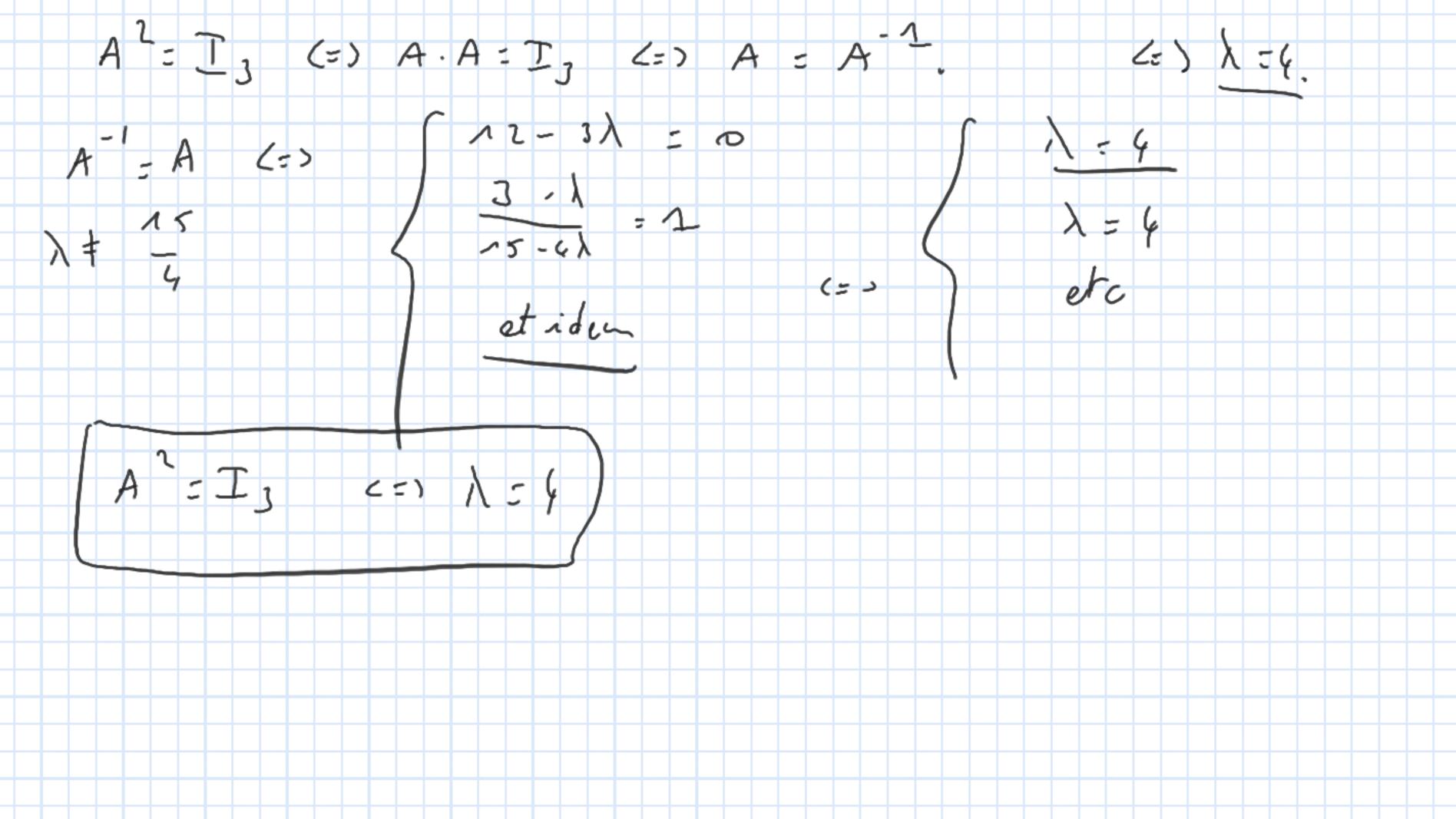


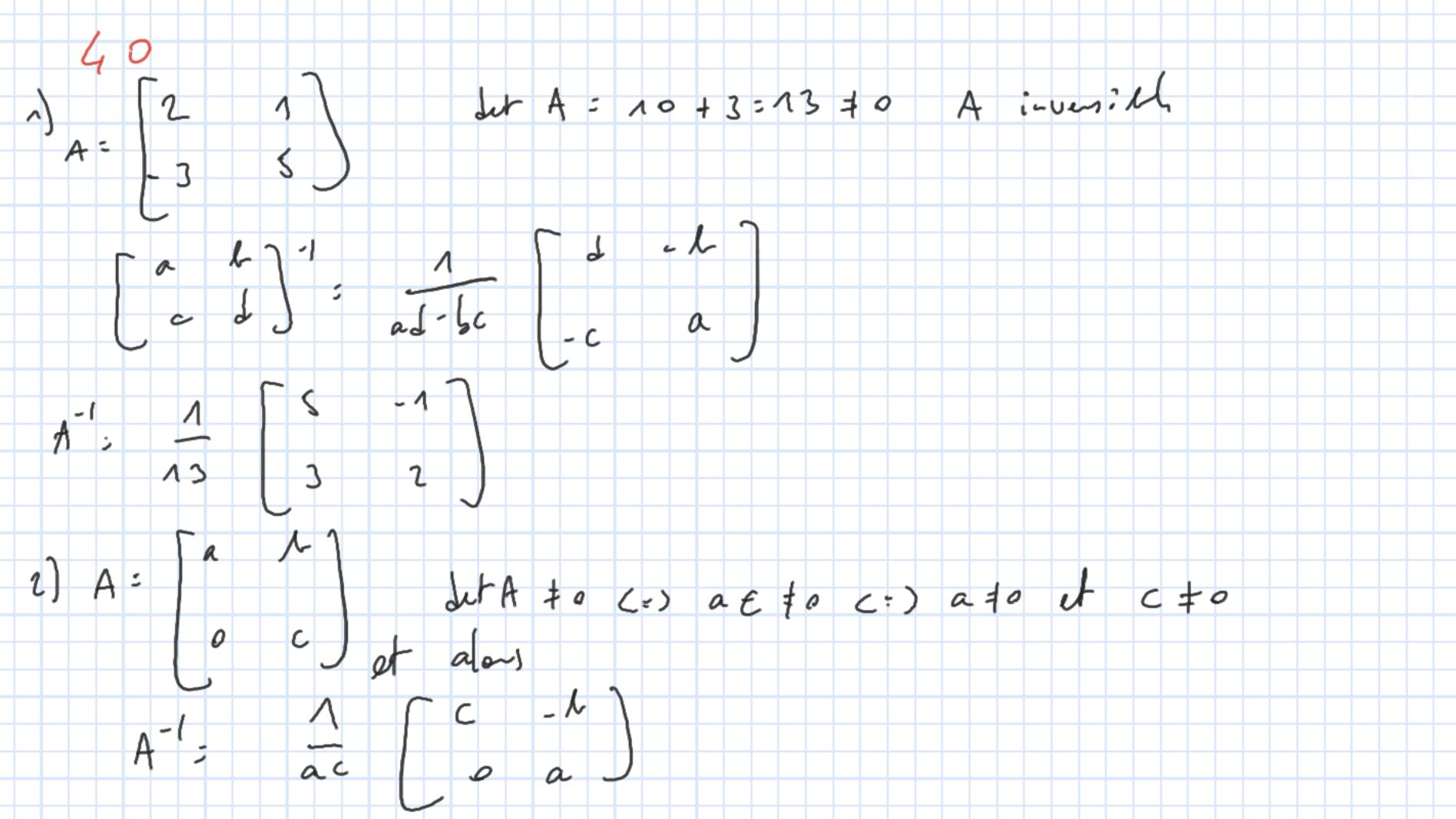
38 i) n impair, n>2 A EMa (R) Si tA = -A (x), on at:lise, VME Ma (IR), dt (tM); det (M) => det(tA) = det(A) $(A) = det(tA) = (-1)^n det(A)$ => $det(tA) = (-1)^n det(A)$ Soit det (A):0 on dos 1 = (-1) mais... net impais auss: (-1):-1. et 1 =-1 impossible Le sede 1011: l'ilité c'est det A:0



A = I3 (=) N = 4 J. Inverse 'dinatement' = en ntilisant les comet mias Constrice = matrice des cofacteurs. Aij Aij: det A o's ligne i et ed j sont band. A-1 = det A







3) A:
$$\begin{bmatrix} -1 & 2 & n \\ -2 & 4 & -2 \end{bmatrix}$$
 $C_3 = -C,$

Let A: $\begin{bmatrix} -1 & 2 & n \\ -2 & 4 & -2 \end{bmatrix}$ $C_3 \in C_3 + C,$

Let A: $\begin{bmatrix} -1 & 2 & n \\ -1 & 2 & n \\ -1 & 2 & n \end{bmatrix}$

By Do I and I and I are the post inversible $A = \begin{bmatrix} -1 & 2 & n \\ -1 & 2 & n \\ -1 & 2 & n \end{bmatrix}$

A: $\begin{bmatrix} -1 & 2 & n \\ -1 & 2 & n \\ -1 & 2 & n \end{bmatrix}$

A finangulai in A nish post inversible