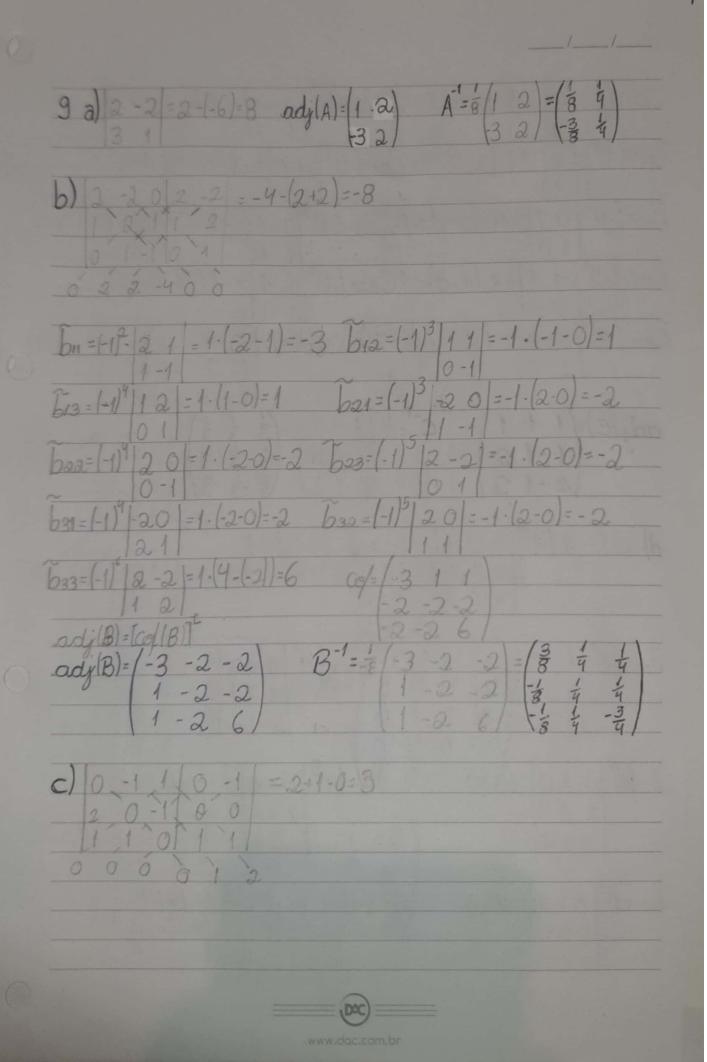
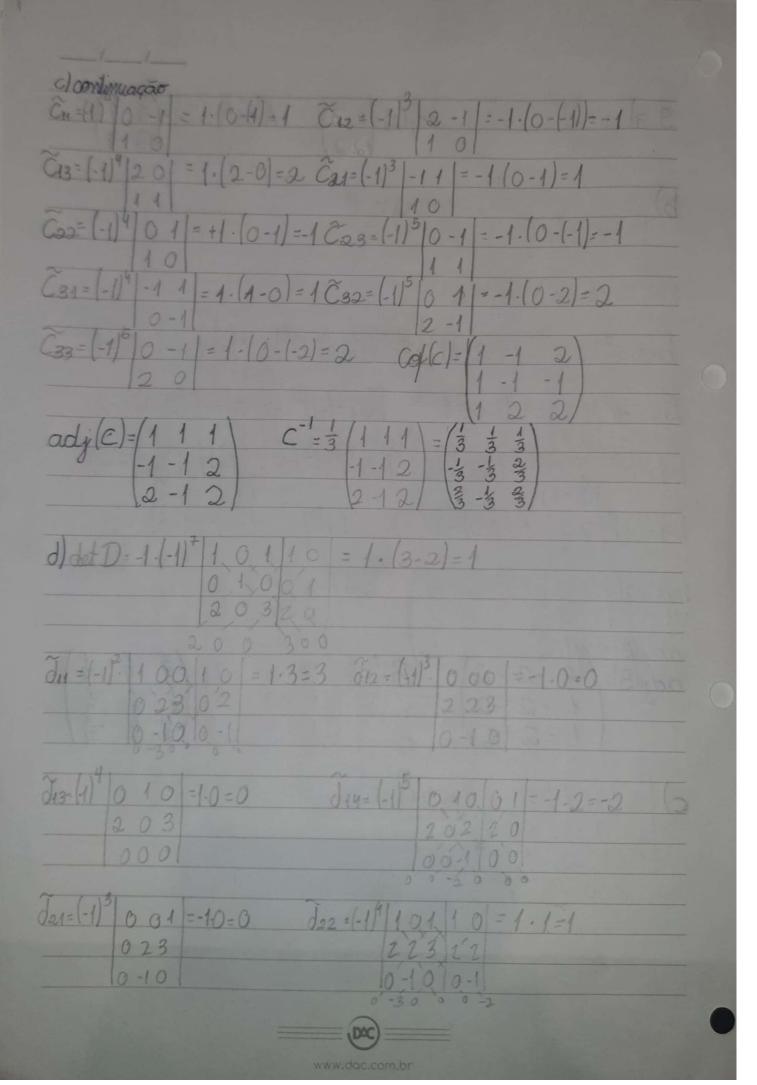
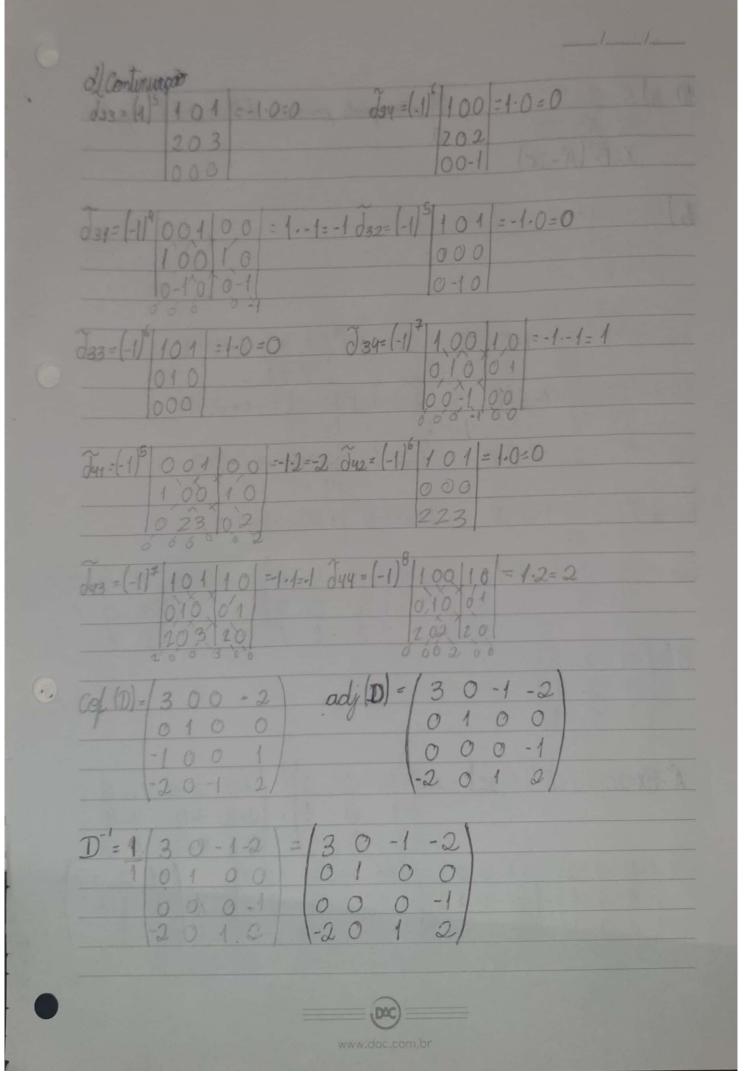


7-b) $\begin{vmatrix} 3 & 1 & = 6-5-1 \\ 5 & 2 \end{vmatrix} = 6-5-1$ $A^{-\frac{1}{2}} = 1 \begin{pmatrix} 2 & -1 \\ -5 & 3 \end{pmatrix} = \begin{pmatrix} 3 & -1 \\ -5 & 3 \end{pmatrix}$
$\begin{vmatrix} 4 & 7 = 8 - 7 = 1 \\ 1 & 2 \end{vmatrix} = \begin{vmatrix} 2 & -7 \\ -1 & 4 \end{vmatrix}$
$AB = \begin{pmatrix} 3 & 1 \end{pmatrix} \begin{pmatrix} 4 & 7 \end{pmatrix} = \begin{pmatrix} 3.4 + 1.1 & 3.7 + 1.2 \end{pmatrix} = \begin{pmatrix} 13 & 23 \\ 5 & 2 \end{pmatrix} \begin{pmatrix} 1 & 2 \end{pmatrix} = \begin{pmatrix} 5.4 + 2.1 & 5.7 + 2.2 \end{pmatrix} \begin{pmatrix} 22 & 39 \end{pmatrix}$
13 23 = 507 - 506 = 1 (AB) = (39 - 23) 22 39 - 22 13
8-a) $\tilde{d}_{11} = (-1)^{2} \cdot 1 = 1$ $\tilde{d}_{21} = (-1)^{3} \cdot -2 = 2$ $Lq(A) = \begin{pmatrix} 1 & -3 \end{pmatrix}$ $\tilde{d}_{12} = (-1)^{3} \cdot 3 = -3$ $\tilde{d}_{22} = (-1)^{4} \cdot 2 = 2$ $Lq(A) = \begin{pmatrix} 1 & -3 \end{pmatrix}$
b) b+1 = (-1) 2 1 = 1.(-2-1) = -3 × b12 = (-1)3   1 + = -1.(-1-0) = 1
B13-(-1) 1 2 -1. (1-0)=1 B21=(-1)3 -20 =-1. (2-0)=-2
Baz= (-1)  20  =1.(-2-0)=-2   baz=+11  2-2  =-1.(2-0)=-2
Dat=(-1)*  -20 =1.(+2-0)=-2 bad=(-1)*  20 =-1(2-0)=-2
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$







10-a) A*-BX=2C B não pade passuir determinante igual à  BX = A*-2C  X=B*(A*-2C)  0.
6) 10210 = 819-(-813)-1
9 30 9 0 4
6n=(4)2-13 = 1-11=-11 b12=(-1)2 3 = -1.4=-4
bis=(-1) 2-1=1.6=6 b21=(-1)3  02 =-1.2=2
bas=(-1)   12   -1.0-0   bas=(-1)   10   =-13=3
bar = (-1)   0 2   = 1 · 2 = 2   baz = (-1)   12   = -1 · -1 = 1
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
B-1= (-11 -2 2)
1-9 0 17-1-1 Quelon
A+BX=2C= X=B-1(A+2C) = X=[-11 -2 2   -1-0 2-2 6-6]
$X = \begin{pmatrix} -11 & -2 & 2 \\ -4 & 0 & 1 \end{pmatrix} \cdot \begin{pmatrix} -1 & 0 & 0 \\ 0 & -1 & 0 \\ 0 & 3 & -1 \end{pmatrix} \cdot \begin{pmatrix} -1 & 0 & 0 \\ 0 & -1 & 0 \\ $