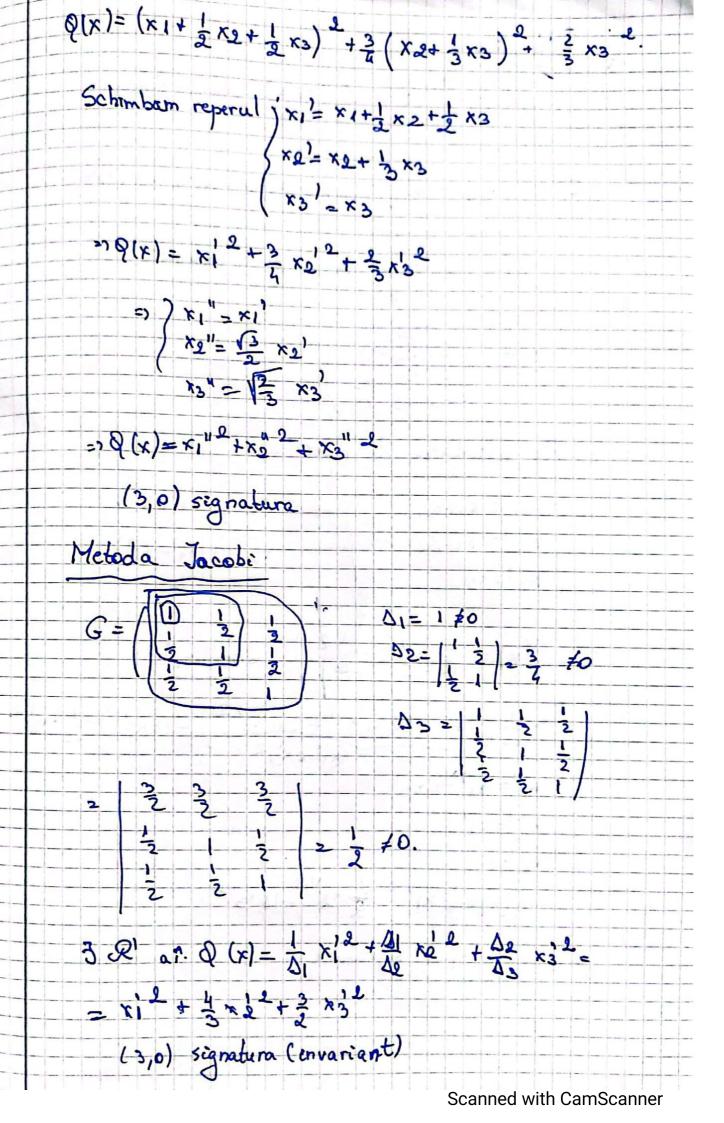


Scanned with CamScanner



Generalisare

$$Q(x) = \frac{2}{12} x^{2} + Z$$
,  $x_{1} x_{2} = 0$ ,  $x_{1} x_{2} = 0$ .  $x_{2} x_{3} = 0$ .  $x_{2} x_{3} = 0$ .  $x_{3} = 0$ .  $x_{2} x_{3} = 0$ .  $x_{3} = 0$ .  $x_{4} = 0$ .  $x_{1} = 0$ .  $x_{1} = 0$ .  $x_{2} = 0$ .  $x_{3} = 0$ .  $x_{4} = 0$ .  $x_{4$ 

Scanned with CamScanner

Pl. pb.8. X=(x1 x2), Y=(J1 J2)

Fac onmultèrea si cese gij apoc scriem q (unde vedem y punem x)

4. fü Q: 
$$\mathbb{R}^{3} \rightarrow \mathbb{R}$$
 formà pathaticà  $G = \begin{pmatrix} 1 & 2 & 1 \\ 2 & 3 & 2 \\ 1 & 2 & 2 \end{pmatrix}$  matrica associatà îm nap.cu  $\mathbb{R}_{0}$  diag Q?

Q(X) =  $X_{1}^{2} + 3X_{2}^{2} + X_{3}^{2} + 4X_{1}X_{2} + 2X_{1}X_{3} + 4X_{2}X_{3}$ 

Q(X) =  $(X_{1} + 2X_{2} + X_{3})^{2} - X_{2}^{2}$ 
 $\begin{cases} X_{1}^{1} = X_{1} + 2X_{2} + X_{3} \\ X_{2}^{1} = X_{2} \end{cases}$ 
 $\begin{cases} X_{1}^{1} = X_{1} + 2X_{2} + X_{3} \\ X_{2}^{1} = X_{3} \end{cases}$ 

Q(X) =  $X_{1}^{2} - X_{2}^{2}$ 

signatura (A,A)

 $\begin{cases} X_{3}^{1} = X_{3} \\ X_{3}^{2} = X_{3} \end{cases}$ 

Q(X) =  $X_{1}^{2} - X_{2}^{2}$ 

signatura (A,A)

 $\begin{cases} X_{1}^{1} = X_{2}^{2} - X_{2}^{2} \\ X_{3}^{2} = X_{3}^{2} \end{cases}$ 

Q(X) =  $X_{1}^{2} - X_{2}^{2} = X_{3}^{2} = X_{3$