lin 47 = 12

$$\frac{\text{Els. 2006}}{1) 6} \qquad C = \begin{pmatrix} 1 & 0 & 1 & 1 & 1 \\ 2 & 1 & a^{2} - a & 1 & 1 \\ -1 & 1 & -3 & 1 & a \end{pmatrix} \qquad \begin{pmatrix} 1 & 0 & 1 & 1 & 1 \\ 6 & 1 & a^{2} - a - 2 & 1 & 1 \\ 0 & 0 & -a^{2} + a & 1 & a \end{pmatrix}$$

b)
$$A\vec{x} = \vec{b}$$

En: $-a^2 + a \neq 0$ (=) $-a(a-1) \neq 0$ (=) $a \neq 0$, $a \neq 1$

ingn: $-a^2 + a = 0$ & $a \neq 0$ (=) $a = 1$

underly many: $-a \neq a = 0$ & $a = 0$ (=) $a = 0$

$$\frac{\partial \mathcal{L}}{\partial x} = \begin{pmatrix} \frac{\partial \mathcal{L}}{\partial x} & \frac{\partial \mathcal{L}}{\partial x} & \frac{\partial \mathcal{L}}{\partial x} \\ \frac{\partial \mathcal{L}}{\partial x} & \frac{\partial \mathcal{L}}{\partial x} & \frac{\partial \mathcal{L}}{\partial x} \\ \frac{\partial \mathcal{L}}{\partial x} & \frac{\partial \mathcal{L}}{\partial x} & \frac{\partial \mathcal{L}}{\partial x} & \frac{\partial \mathcal{L}}{\partial x} \\ \frac{\partial \mathcal{L}}{\partial x} & \frac{\partial \mathcal{L}}{\partial x} & \frac{\partial \mathcal{L}}{\partial x} & \frac{\partial \mathcal{L}}{\partial x} & \frac{\partial \mathcal{L}}{\partial x} \\ \frac{\partial \mathcal{L}}{\partial x} & \frac{\partial \mathcal{L}}{\partial x} & \frac{\partial \mathcal{L}}{\partial x} & \frac{\partial \mathcal{L}}{\partial x} & \frac{\partial \mathcal{L}}{\partial x} \\ \frac{\partial \mathcal{L}}{\partial x} & \frac{\partial \mathcal{L}}{\partial x} \\ \frac{\partial \mathcal{L}}{\partial x} & \frac$$