7.2 rank (Alb) = 3 } 
$$\omega$$
ct. we cobrenue.  
 $vank(A) = 2$ 

$$6 = 1.4 + 1.4 = 1.43$$

Therefores 
$$= (10 - 87 0)$$

Therefores  $= (016 - 56)$ 

$$E = \begin{pmatrix} 1 & 6 \\ 0 & 1 \\ -8 & 6 \\ 7 & -8 \end{pmatrix}$$

$$E_{1} & 0 & -8 & 7 \\ E_{2} & 0 & 1 & 6 & -5 \\ 7 & -8 & 7 & 7 \\ 7$$

$$Q_{1}$$
  $X_{3} = -8 \times 16 \times 2$   
 $X_{4} = 7 \times 1 - 5 \times 2$   
 $X_{1}$   $X_{2}$   $ER$ 

$$\chi_3 = \lambda \times 1 + 3 \times 2$$

$$\chi_4 = \chi_1 + \lambda \times 2$$

$$-2x_{1} - 3x_{2}+3x_{3} + 0$$

$$-x_{1} - 2x_{2} + 0 + x_{4}$$

$$-2x_{1} - 2x_{2} + 0 + x_{4}$$

Offer: 
$$\begin{cases} -2 \times_1 - 3 \times_2 + \times_3 = 0 \\ - \times_1 - 2 \times_2 + \times_4 = 0 \end{cases}$$

$$\begin{array}{l}
(8) \\
(a \cdot (-3)^{4} + 6 \cdot (-3)^{3} + c \cdot (-3)^{2} + d \cdot (-3) + e = -77 \\
(a \cdot (-1)^{4} + 6 \cdot (-1)^{3} + c \cdot (-1)^{2} + d \cdot (-2) + e = -13 \\
(a \cdot (-1)^{4} + 6 \cdot (-1)^{3} + c \cdot (-1)^{2} + d \cdot (-1) + e = 1 \\
(a \cdot 16 + 6 \cdot 8 + c \cdot 4 + 2d + e = -17
\end{array}$$

$$C = -1$$
 $C = 0$ 
 $f(x) = -x^4 - x + 1$ 
 $C = 0$ 
 $d = -1$ 
 $e = 1$ 

$$\begin{pmatrix} \chi_1 - \chi_2 + \chi_5 = 1 \\ \chi_1 + \chi_5 = 3 \\ \chi_4 = 0$$

$$X_{1} = 1 + 2 \times 2 - \times 5$$
 $X_{2}, X_{5} - 60509$ 
 $X_{3} = 3 - 4 \times 5$ 
 $X_{4} = 0$ 

$$E_{1}=\begin{pmatrix}1\\4\\-2\\-1\end{pmatrix}$$

$$E_{2}\begin{pmatrix}3\\13\\-1\\-8\end{pmatrix}$$

$$E_{3}\begin{pmatrix}2\\7\\-8\\-8\end{pmatrix}$$

$$E = \begin{pmatrix} 1 & 4 & -2 & 2 & -1 \\ 3 & 13 & -1 & 2 & 1 \\ 2 & 7 & -8 & 4 & -5 \end{pmatrix}$$

$$Q_{1} = \begin{pmatrix} 70 \\ -16 \\ 4 \\ 6 \end{pmatrix}$$

$$Q_{2} = \begin{pmatrix} -5 \\ 1 \\ -1 \\ 0 \end{pmatrix}$$

$$X_1 = 70x_4 - 5x_5$$
 $X_2 = -16x_4 + x_5$ 
 $X_3 = 4x_4 - x_5$ 

$$\begin{cases} 70x_1 - 16x_2 + 4x_3 + x_4 = 6 \\ -5x_1 + x_2 - x_3 + x_5 = 6 \end{cases}$$