Kepa javo: Mivakes

(1) (i)
$$\begin{bmatrix} 8 & 2 & 1 \\ 9 & 5 & 9 \\ 4 & -3 & 7 \end{bmatrix}$$
 (iii) $\begin{bmatrix} -2 & 3 & -8 \\ 10 & -3 & 9 \\ 1 & 0 & -1 \end{bmatrix}$

$$D = \begin{bmatrix} 3 & -3 & 5 \\ -1 & 3 & 3 \\ 1 & 1 & 2 \end{bmatrix}$$

(i)
$$\begin{bmatrix} 3 & -3 & 6 \\ 3 & -3 & 4 \\ 1 & -1 & 2 \end{bmatrix}$$
 (iii) $\begin{bmatrix} 1 & 2 & 3 \end{bmatrix}$

$$(x)$$
 $\begin{bmatrix} 6 & -1 \\ -1 & 6 \end{bmatrix}$ (xi) $\begin{bmatrix} 1 & 6 & 2 \\ 5 & 2 & 11 \\ 6 & 0 & 11 \end{bmatrix}$

(ii)
$$A^{-1} = \begin{bmatrix} 3/1 & 1/1 & 1/1 \\ 7/1 & -3/1 & -3/1 \\ 8/1 & 4/1 & -4/1 \end{bmatrix}$$

(iii)
$$A = \begin{bmatrix} 1 & 2 & 0 & 0 \\ 0 & 0 & 1 & 2 \\ -1 & 0 & 1 & 0 \\ 0 & 3 & 0 & 0 \end{bmatrix}$$
 (iv) $A^{-1} = \begin{bmatrix} -4/5 & 3/5 & 1/5 & 1/5 \\ 3/2 & 0 & -1 & 0 \\ 1/2 & 0 & 0 & 0 \\ 1/3 & 9/5 & -1/5 & -1/5 \end{bmatrix}$

(6) (i)
$$X_1 = 1$$
, $X_2 = 2$, $X_3 = -3$
(ii) $X_1 = -1$, $X_3 = 1$, $X_3 = -3$
(iii) $X_1 = -2$, $X_3 = 1$, $X_3 = 4$

$$(7) \qquad \chi = \begin{bmatrix} 3 \\ -3/2 \\ 5/2 \end{bmatrix}$$