

IDENTIFICAR LOS TIPOS DE MATRICES, SI ES DIAGONAL, EXPRESAR SU DIAG Y DIMENSION

$$I_8 = \begin{bmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 1 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 1 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \end{bmatrix}$$

$$H = \begin{bmatrix} 10 & 0 & 0 \\ 0 & 20 & 0 \\ 0 & 0 & 50 \end{bmatrix}$$

$$I_{10} = \begin{bmatrix} 1 & 0 \\ 0 & 1 \end{bmatrix}$$

$$A = \begin{bmatrix} 7 & 0 \\ 0 & 5 \end{bmatrix}$$

$$I_4 = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}$$

$$I_3 = \begin{bmatrix} 1 & 0 & 0 \\ 0 & 1 & 0 \\ 0 & 0 & 1 \end{bmatrix}$$

$$C = \begin{bmatrix} 7 & 0 & 0 \\ 3 & 9 & 0 \\ 0 & 1 & 2 \end{bmatrix}$$

$$A = \begin{bmatrix} 1 & 8 & 0 \\ 0 & 4 & 6 \\ 0 & 0 & 9 \end{bmatrix}$$

$$Z = \begin{bmatrix} 9 & 0 & 0 \\ 1 & 2 & 0 \\ 0 & 2 & 1 \end{bmatrix}$$

$$A = \begin{bmatrix} 1 & 12 & 0 \\ 0 & 1 & 3/4 \\ 0 & 0 & 1/3 \end{bmatrix}$$

$$X = \begin{bmatrix} 1 & 2 & 0 & 0 \\ 2 & 1 & 1 & 0 \\ 0 & 7 & 1 & 8 \\ 0 & 0 & 7 & 3 \end{bmatrix}$$

$$D = \begin{bmatrix} 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 \end{bmatrix}$$

$$E = \begin{bmatrix} 1 & 5 & 0 & 0 \\ 2 & 7 & 9 & 0 \\ 0 & 3 & 1 & 6 \\ 0 & 0 & 9 & 3 \end{bmatrix}$$