17. Sean

$$A = \begin{bmatrix} 2 & -1 & 1 \\ 1 & 2 & 1 \end{bmatrix}, \qquad B = \begin{bmatrix} 3 \\ 1 \\ -1 \end{bmatrix}, \qquad C = \begin{bmatrix} 1 & -1 \end{bmatrix}.$$

Repetir el ejercicio (44) con aquellos productos que tengan sentido.

$$AB = \begin{pmatrix} 2-11 \\ 121 \end{pmatrix} \begin{pmatrix} 3 \\ 1 \\ -1 \end{pmatrix} = \begin{pmatrix} 4 \\ 4 \end{pmatrix} \qquad CA = \begin{pmatrix} 1-1 \\ 2-11 \\ 121 \end{pmatrix} = \begin{pmatrix} 1-30 \\ 121 \end{pmatrix}$$

$$BC = \begin{pmatrix} 3 \\ 1 \\ -1 \end{pmatrix} \begin{pmatrix} 1 - 1 \end{pmatrix} = \begin{pmatrix} 3 - 3 \\ 1 - 1 \\ -1 \end{pmatrix} \qquad ABC = \begin{pmatrix} 2 - 1 & 1 \\ 1 & 2 & 1 \end{pmatrix} \begin{pmatrix} 3 \\ 1 \\ -1 \end{pmatrix} \begin{pmatrix} 1 - 1 \\ 1 \end{pmatrix} = \begin{pmatrix} 4 \\ 4 \end{pmatrix} \begin{pmatrix} 1 - 1 \\ 1 \end{pmatrix} = \begin{pmatrix} 4 \\ 4 - 4 \end{pmatrix}$$

BCA =
$$\begin{pmatrix} 3 \\ 1 \\ -1 \end{pmatrix} \begin{pmatrix} 1 \\ 1 \\ 1 \end{pmatrix} \begin{pmatrix} 2 \\ 1 \\ 1 \end{pmatrix} = \begin{pmatrix} 3 \\ 1 \\ 1 \end{pmatrix} \begin{pmatrix} 2 \\ 1 \\ 1 \end{pmatrix} \begin{pmatrix} 2 \\ 1 \end{pmatrix} \begin{pmatrix} 2 \\ 1 \end{pmatrix} \begin{pmatrix} 3 \\ 1 \\ 2 \end{pmatrix} \begin{pmatrix} 3 \\ 1 \end{pmatrix}$$

$$CAB = (1-1)\begin{pmatrix} 2-1 & 1 \\ 1 & 2 & 1 \end{pmatrix}\begin{pmatrix} 3 \\ 1 \\ -1 \end{pmatrix} = (1-30)\begin{pmatrix} 3 \\ 1 \\ -1 \end{pmatrix} = (0)$$

No predo reclizer BA, AC, CB, ACB, BAC, CBA por 60 temotros de los metrices.