PRINT Your Name:

Quiz for January 15, 2004

Write out the multiplication table for the following set of matrices over \mathbb{Q} :

$$A = \begin{bmatrix} 1 & 0 \\ 0 & 1 \end{bmatrix}, \quad B = \begin{bmatrix} -1 & 0 \\ 0 & 1 \end{bmatrix}, \quad C = \begin{bmatrix} 1 & 0 \\ 0 & -1 \end{bmatrix}, \quad \text{and} \quad D = \begin{bmatrix} -1 & 0 \\ 0 & -1 \end{bmatrix}.$$

ANSWER: