

Math 226: Quiz

Jan. 27, 1992

Show your work and circle your final answer.

1. Let $A = \begin{bmatrix} 1 & 2 & 3 \\ -4 & & \end{bmatrix}$ and $B = \begin{bmatrix} 0 & 2 \\ -1 & 1 & 2 & 0 \end{bmatrix}$. Compute the matrix product $A \cdot B$.

2. Solve the set of equations associated with the augmented matrix $\begin{bmatrix} 1 & 3 & 2 & 1 & : & 3 & 0 & 0 & 1 & 2 \\ 3 & 0 & 0 & 1 & : & 2 & 5 & 0 & 0 & 1 \\ 5 & 0 & 0 & 1 & : & 2 & 5 & 0 & 0 & 1 \end{bmatrix}$.