QUIZ NUMBER FIVE FOR MTH 221 AT 2:00

AYMAN BADAWI

Name————————, Id. Num.————————————————-, Score $\frac{}{15}$

QUESTION 1. *Let* $A = \begin{bmatrix} 1 & -1 & 1 & -1 \\ -1 & -1 & 1 & 1 \\ -3 & 3 & 4 & 3 \\ 0 & 0 & -3 & 4 \end{bmatrix}$ *Find* $det(A)$.

QUESTION 2. *Given* A *is a* 4×4 *such that*

$A \ \underline{3R_2} \ C \ \underline{R_3 \leftrightarrow R_4} \ D \ \underline{3R_2 + R_4 \to R_4} \ \begin{bmatrix} -1 & -1 & 1 & -1 \\ 0 & -5 & 1 & 1 \\ 0 & 0 & 4 & 3 \\ 0 & 0 & 0 & -2 \end{bmatrix}$ *Find* $det(A)$

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