

Question 7

A , B and C are 3×3 matrices. Matrix B is non-singular that no zero elements. We know that $AB = C$.

Which of the following is **not** true?

- A. $A = CB^{-1}$ will always find matrix A .
- B. $B = A^{-1}C$ will always find matrix B .
- C. Matrix A can be singular.
- D. Matrix C can be singular.
- E. A , B and C could all be binary matrices.

Question 8

Papaya 6 and Papaya 7 brand tablets sell for \$300 and \$400 respectively.

There are two stores selling each and their sales are summarised in the table below.

	South store	North store
Papaya 6	27	37
Papaya 7	61	28

The income, in the form $\begin{bmatrix} \text{South shore} \\ \text{North shore} \end{bmatrix}$ is found by calculating

- A. $\begin{bmatrix} 27 & 37 \\ 61 & 28 \end{bmatrix} \begin{bmatrix} 300 \\ 400 \end{bmatrix}$
- B. $\begin{bmatrix} 27 & 37 \\ 61 & 28 \end{bmatrix} \begin{bmatrix} 400 \\ 300 \end{bmatrix}$
- C. $\begin{bmatrix} 27 & 61 \\ 37 & 28 \end{bmatrix} \begin{bmatrix} 300 \\ 400 \end{bmatrix}$
- D. $\begin{bmatrix} 27 & 61 \\ 37 & 28 \end{bmatrix} \begin{bmatrix} 400 \\ 300 \end{bmatrix}$
- E. $\begin{bmatrix} 400 \\ 300 \end{bmatrix} \begin{bmatrix} 27 & 37 \\ 61 & 28 \end{bmatrix}$

END OF MODULE 1