VICTOR SIMON ILIYA

uter Engineering.

5.

DAT 102.

3. $A.(B \times C)$

$$A.(B \times C) = \begin{vmatrix} 3 & 4 & -6 \\ 5 & -11 & 2 \\ 7 & -7 & 1 \end{vmatrix}$$

$$A.(B \times C) = 3\begin{vmatrix} -11 & 2 \\ -7 & 1 \end{vmatrix} - 4\begin{vmatrix} 5 & 2 \\ 7 & 1 \end{vmatrix} - 6\begin{vmatrix} 5 & -11 \\ 7 & -7 \end{vmatrix}$$

$$A.(B \times C) = 3(-11+14) - 4(5-14) - 6(-35+77)$$

$$A.(B \times C) = 9 + 36 - 252$$

$$A.(B \times C) = -207$$