## EXERCISES OF SECTION 3.1

Question 1. Compute $\operatorname{det}\left[\begin{array}{lll}0 & 0 & 1 \\ 0 & 2 & 0 \\ 3 & 0 & 0\end{array}\right]$.
Question 2. Compute $\operatorname{det}(A)$, where

$$
A=\left[\begin{array}{llll}
0 & 0 & 0 & 1 \\
0 & 0 & 2 & 0 \\
0 & 3 & 0 & 0 \\
4 & 0 & 0 & 0
\end{array}\right]
$$

Question 3. If two rows of $A$ are the same, then $|A|=$ ?
Question 4. Suppose that $A$ is an $n \times n$ matrix, $|c A|=$ ?

