

§5.2 Solutions

①.

$$\det(A) = 12, \det(B) = 0, \det(C) = -1$$

②.

$$S_1 = 3$$

$$S_2 = 8$$

$$S_3 = 3 \begin{vmatrix} 3 & 1 \\ 1 & 3 \end{vmatrix} - 1 \begin{vmatrix} 1 & 1 \\ 0 & 3 \end{vmatrix} = 3 \cdot 8 - 3 = 21$$

$$S_4 = 55$$