1.4.1.
$$A^{-1}A = A \cdot A^{-1} = E$$

2005. 2020

 $A = \begin{pmatrix} 1 & 2 & 5 \\ 4 & 7 & 6 \end{pmatrix}$

2) $SA = \frac{1}{5} \cdot \frac{1}{5$

$$A_{31} = (-1)^{3+1} \cdot \begin{vmatrix} 0 & 0 \\ 1 & 0 \end{vmatrix} = 0$$
 $A_{32} = (-1)^{3+1} \cdot \begin{vmatrix} 0 & 0 \\ 1 & 0 \end{vmatrix} = 0$
 $A_{33} = (-1)^{3+3} \cdot \begin{vmatrix} 0 & 0 \\ 0 & 0 \end{vmatrix} = 0$

$$(4) \quad \frac{1}{1} \cdot \begin{pmatrix} 1 & 0 & 0 \\ 0 & 1 & 0 \\ 0 & 0 & 1 \end{pmatrix} \quad \begin{cases} 1 & 0 & 0 \\ 0 & 1 & 0 \\ 0 & 0 & 1 \end{pmatrix}$$

$$A = \begin{pmatrix} 1 & 3 & 1 \\ 3 & 2 & 3 \\ 2 & 3 & 4 \end{pmatrix}$$

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$$A = \begin{pmatrix} 1 & 3 & 1 \\ 3 & 3 & 1$$

1.4.4

$$A = \begin{pmatrix} 1 & 2 & -5 \\ 3 & 2 & -4 \end{pmatrix} 1) AA = \begin{vmatrix} 1 & 2 & -3 \\ 3 & 2 & -4 \end{vmatrix} = 2 \cdot \begin{vmatrix} 2 & -5 \\ 2 & -1 & 0 \end{vmatrix} = \begin{pmatrix} -1 & -1 & -3 \\ 3 & -4 \end{vmatrix} + 0 = 2 \cdot \begin{pmatrix} -1 & -1 & -3 \\ 3 & -4 \end{pmatrix} + 0 = 2 \cdot \begin{pmatrix} -1 & -3 \\ 3 & -4 \end{pmatrix} = \begin{pmatrix} -1 & -3$$

$$A_{12} = (-1)^{1/2} \cdot \begin{vmatrix} z - 7 \\ -1 & 0 \end{vmatrix} = 0 + 4 = 4$$

$$A_{12} = (-1)^{1/2} \cdot \begin{vmatrix} 3 - 4 \\ 2 & 0 \end{vmatrix} = 8$$

$$A_{13} = (-1)^{1/3} \cdot \begin{vmatrix} 3 - 2 \\ 2 - 1 \end{vmatrix} = -3$$

$$A_{22} = (-1)^{2+2} \cdot \begin{vmatrix} 1 - 3 \\ 2 - 1 \end{vmatrix} = -4$$

$$A_{23} = (-1)^{2+2} \cdot \begin{vmatrix} 1 - 3 \\ 2 - 1 \end{vmatrix} = -1 - 4 = -5 \cdot (-1) \cdot 5$$

$$A_{31} = (-1)^{3+1} \cdot \begin{vmatrix} 2 - 3 \\ 2 - 1 \end{vmatrix} = -1 - 4 = -5 \cdot (-1) \cdot 5$$

$$A_{31} = (-1)^{3+1} \cdot \begin{vmatrix} 2 - 3 \\ 2 - 1 \end{vmatrix} = -1 - 4 = -5 \cdot (-1) \cdot 5$$

$$A_{32} = (-1)^{3+1} \cdot \begin{vmatrix} 1 - 3 \\ 2 - 4 \end{vmatrix} = -1 - 4 = -5$$

$$A_{33} = (-1)^{3+2} \cdot \begin{vmatrix} 1 - 3 \\ 3 - 4 \end{vmatrix} = -1 - 4 = -1$$

$$A_{33} = (-1)^{3+3} \cdot \begin{vmatrix} 1 - 3 \\ 3 - 4 \end{vmatrix} = -1 - 4 = -1$$

$$A_{33} = (-1)^{3+3} \cdot \begin{vmatrix} 1 - 3 \\ 3 - 4 \end{vmatrix} = -1 - 4 = -1$$

$$A_{34} = (-1)^{3+3} \cdot \begin{vmatrix} 1 - 3 \\ 3 - 4 \end{vmatrix} = -1 - 4 = -1$$

$$A_{35} = (-1)^{3+3} \cdot \begin{vmatrix} 1 - 3 \\ 3 - 4 \end{vmatrix} = -1 - 4 = -1$$

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$$A_{35} = (-1)^{3+3} \cdot \begin{vmatrix}$$