

$$\underline{A} = \begin{pmatrix} 2 & 1 \\ 1 & 2 \end{pmatrix} \rightarrow \begin{pmatrix} 2 & 1 & | & 1 & 0 \\ 1 & 2 & | & 0 & 1 \end{pmatrix} \rightarrow \begin{pmatrix} 1 & \frac{1}{2} & | & \frac{1}{2} & 0 \\ 1 & 2 & | & 0 & 1 \end{pmatrix} \rightarrow \begin{pmatrix} 1 & \frac{1}{2} & | & \frac{1}{2} & 0 \\ 0 & \frac{3}{2} & | & -\frac{1}{2} & 1 \end{pmatrix} \rightarrow$$

$$\underline{|A| = 2^2 - 1^2 = 3 \neq 0} \rightarrow \begin{pmatrix} 1 & \frac{1}{2} & | & \frac{1}{2} & 0 \\ 0 & \frac{1}{2} & | & -\frac{1}{6} & \frac{1}{3} \end{pmatrix} \xrightarrow{\frac{1}{3}(II)} \begin{pmatrix} 1 & 0 & | & \frac{2}{3} & -\frac{1}{3} \\ 0 & \frac{1}{2} & | & -\frac{1}{6} & \frac{1}{3} \end{pmatrix} \xrightarrow{(I) - (II)} \begin{pmatrix} 1 & 0 & | & \frac{2}{3} & -\frac{1}{3} \\ 0 & 1 & | & -\frac{1}{3} & \frac{2}{3} \end{pmatrix}$$

$$\underline{\underline{A^{-1} = \frac{1}{3} \begin{pmatrix} 2 & -1 \\ -1 & 2 \end{pmatrix}}}$$

$$\underline{A} \cdot \underline{A^{-1}} = \frac{1}{3} \begin{pmatrix} 2 & 1 \\ 1 & 2 \end{pmatrix} \begin{pmatrix} 2 & -1 \\ -1 & 2 \end{pmatrix} = \frac{1}{3} \begin{pmatrix} 3 & 0 \\ 0 & 3 \end{pmatrix} = \begin{pmatrix} 1 & 0 \\ 0 & 1 \end{pmatrix} \checkmark$$



$$A = \begin{pmatrix} 2 & 1 \\ 1 & 2 \end{pmatrix} \xrightarrow{\text{aldut}} \begin{pmatrix} 2 & 1 \\ 1 & 2 \end{pmatrix} \xrightarrow{\text{salah}} \begin{pmatrix} 2 & -1 \\ -1 & 2 \end{pmatrix} \xrightarrow{\text{tugas perhalus}} \begin{pmatrix} 2 & -1 \\ -1 & 2 \end{pmatrix} \rightarrow A^{-2} = \frac{1}{3} \begin{pmatrix} 2 & -1 \\ -1 & 2 \end{pmatrix}$$

$$|A| = 2^2 - 1^2 = 3 \neq 0 \quad D = \begin{pmatrix} 1 & 0 & -1 \\ 2 & 1 & 2 \\ -1 & 1 & 0 \end{pmatrix} \quad |D| = 0 + 0 - 3 - 1 - 0 - 2 = -6 \neq 0$$

$$\begin{vmatrix} 1 & 2 \\ 1 & 0 \end{vmatrix} = -2 \quad \begin{vmatrix} 3 & 2 \\ -1 & 0 \end{vmatrix} = 2 \quad \begin{vmatrix} 3 & 1 \\ -1 & 1 \end{vmatrix} = 4$$

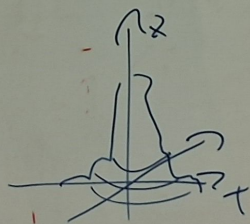
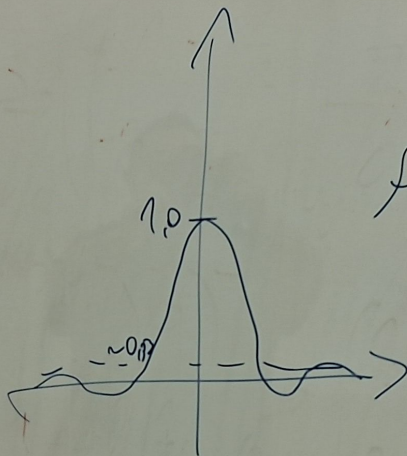
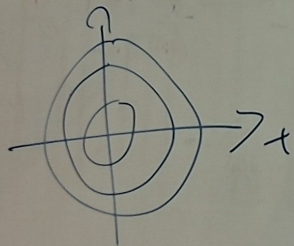
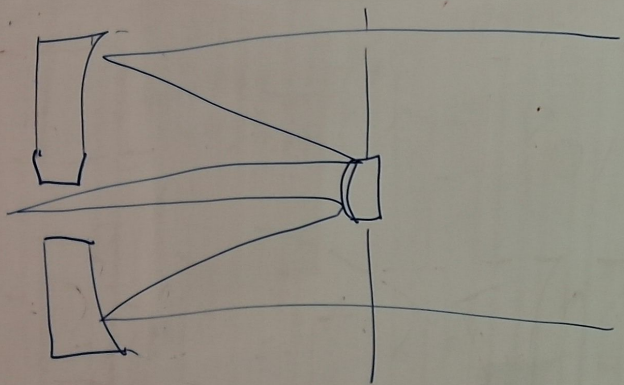
$$\begin{vmatrix} 0 & -1 \\ 1 & 0 \end{vmatrix} = 1 \quad \begin{vmatrix} 1 & -1 \\ -1 & 0 \end{vmatrix} = -1 \quad \begin{vmatrix} 1 & 0 \\ -1 & 1 \end{vmatrix} = -1$$

$$\begin{vmatrix} 1 & 0 \\ 0 & -1 \end{vmatrix} = 1 \quad \begin{vmatrix} 1 & -1 \\ 3 & 2 \end{vmatrix} = 5 \quad \begin{vmatrix} 1 & 0 \\ 3 & 1 \end{vmatrix} = -1$$

$$\begin{pmatrix} -2 & 2 & 4 \\ 1 & -1 & 1 \\ 1 & 5 & 1 \end{pmatrix} \xrightarrow{\text{salah}} \begin{pmatrix} -2 & -2 & 4 \\ -1 & -1 & -1 \\ 1 & -5 & 1 \end{pmatrix} \xrightarrow{\text{tugas perhalus}} \begin{pmatrix} -2 & -1 & 1 \\ -2 & -1 & -5 \\ 4 & -1 & 1 \end{pmatrix}$$

$$A^{-1} = \begin{pmatrix} 2 & 1 & -1 \\ 1 & 2 & 1.5 \\ 4 & 1 & -1 \end{pmatrix}$$





$$c_{ij} = [a_{ij} - b_{ij}]$$

$$f(x) = \frac{\sin(x)}{x}$$

$$b_{ij} = 0,13$$

$$f(x, y) = \frac{\sin(\sqrt{x^2 + y^2})}{\sqrt{x^2 + y^2}} \quad \left| \begin{array}{l} a_{ij} \otimes b_{ij} \\ = [a_{ij} - b_{ij}] \\ \underline{b_{ij} = 0,13} \end{array} \right.$$

$\ln 2,1$