$$\begin{cases} |\mathrm{z}| = |\mathrm{z} - 4\mathrm{i}| \\ \frac{\pi}{4} \geqslant \mathrm{Argz} > \frac{\pi}{2} \end{cases}$$

$$\begin{cases} |z+4| = |z+2-2i| \\ |z| \geqslant 2 \end{cases}$$

$$\begin{cases} |z-1-i| \ < \sqrt{2} \\ Arg(z-1-i) \ < \frac{\pi}{2} \end{cases}$$

$$\begin{cases} x + 5y = 2 \\ -3x + 6y = 15 \end{cases}$$

$$\begin{cases} x - y - z = 1 \\ 3x + 4y - 2z = -1 \\ 3x - 2y - 2z = 1 \end{cases}$$

$$\begin{cases} y - 3z + 4v = 0 \\ x - 2z = 0 \\ 3z + 2y - 5v = 2 \\ 4x - 5z = 0 \end{cases}$$

$$\begin{bmatrix} 1 & 0 & 0 \\ 0 & 3 & 0 \\ 0 & 0 & 1 \end{bmatrix} * \begin{bmatrix} 1 & 2 & 3 \\ 3 & 1 & 2 \\ 5 & 1 & 3 \end{bmatrix}$$

$$\begin{bmatrix} 0 & 1 & 0 \\ 1 & 0 & 0 \\ 0 & 0 & 1 \end{bmatrix} * \begin{bmatrix} 11 & -2 \\ 6 & -14 \\ -21 & 30 \end{bmatrix}$$

$$\begin{bmatrix} 1 & 0 & 0 \\ 0 & 1 & 0 \\ 1 & 0 & 1 \end{bmatrix} * \begin{bmatrix} 1 & 1 & 3 \\ 2 & 1 & 4 \\ 1 & 3 & 0 \end{bmatrix}$$

$$\begin{vmatrix} -3 & 2 \\ 8 & -5 \end{vmatrix}$$

$$\begin{vmatrix} sin\alpha & cos\alpha \\ sin\beta & cos\beta \end{vmatrix}$$

$$\begin{vmatrix} 1 & i & 1+i \\ -i & 1 & 0 \\ 1-i & 0 & 1 \end{vmatrix}$$

$$\left[\begin{array}{c|cc|ccc} 1 & 0 & 0 & 1 & 1 & 1 \\ \hline 0 & 2 & 2 & 1 & 2 & 3 \\ 0 & 2 & 2 & 4 & 5 & 6 \\ \hline 0 & 0 & 0 & 3 & 3 & 1 \\ 0 & 0 & 0 & 3 & 1 & 3 \\ 0 & 0 & 0 & 1 & 3 & 3 \end{array}\right]$$

$$\int_1^{\infty} \frac{dx}{(x+2)^2}$$

$$\int_{-\infty}^{0} \frac{dx}{x^2+4}$$

$$\int_{-\infty}^{\infty} x^2 cxp^{-x^3} dx$$

$$\int_1^{\infty} \frac{dx}{\sqrt[3]{3x+5}}$$

$$\log_{\sqrt{5}} 5\sqrt[3]{5}$$

$$\log_{\sqrt[3]{3}} 27$$

$$\log_2 8\sqrt{2}$$

$$\sum_{n-1}^{\infty} (-1)^{n+1}(2n-1)$$

$$\sum_{n=1}^{\infty} sin\frac{2\pi}{3^n} cos\frac{4\pi}{3^n}$$

$$\begin{bmatrix} 1 & 2 & 3 \\ 0 & -6 & 7 \end{bmatrix}^T = \begin{bmatrix} 1 & 0 \\ 2 & -6 \\ 3 & 7 \end{bmatrix}$$

$$U_{AB} = \frac{W_{A\to B}}{q} = \int_A^B \vec{E} * \vec{dl}$$