$$\begin{cases} |z| = |z-4i| \\ \frac{\pi}{4} \geqslant Arg\ z < \frac{\pi}{2} \end{cases}$$

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

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

$$\left\{ \begin{array}{rcrcr} x & + & 5y & = & 2 \\ -3x & + & 6y & = & 15 \end{array} \right.$$

$$\left\{ \begin{array}{rcrcrcr} x & - & y & - & z & = & 1 \\ 3x & + & 4y & - & 2z & = & -1 \\ 3x & - & 2y & - & 2z & = & 1 \end{array} \right.$$

$$\left\{ \begin{array}{rcrcrcrcr} & & y & - & 3z & + & 4v & = & 0 \\ x & & & - & 2z & & & = & 0 \\ 3x & + & 2y & & & - & 5v & = & 2 \\ 4x & & & - & 5z & & & = & 0 \end{array} \right.$$

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

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

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

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

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

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

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

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

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

$$\int_{-\infty}^\infty x^2 exp^{-x^3}\,\mathrm{d}x$$

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

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

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

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

$$\lim_{n\to\infty} \left(\sqrt{n+6\sqrt{n}+1}-\sqrt{n}\right)$$

$$\lim_{n\to\infty} \frac{1+\frac{1}{2}+\frac{1}{2^2}+\ldots+\frac{1}{2^n}}{1+\frac{1}{3}+\frac{1}{3^2}+\ldots+\frac{1}{3^n}}$$

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

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

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

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