$$\begin{cases} |z| = |z - 4i| \\ \frac{\pi}{4} \geqslant Arg\ z < \frac{\pi}{2} \end{cases} \tag{1}$$

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

$$\begin{cases} |z - 1 - i| < \sqrt{2} \\ Arg(z - 1 - i) < \frac{\pi}{2} \end{cases} \tag{3}$$

$$\begin{cases} x + 5y = 2 \\ -3x + 6y = 15 \end{cases} \tag{4}$$

$$\begin{cases} x - y - z = 1 \\ 3x + 4y - 2z = -1 \\ 3x - 2y - 2z = 1 \end{cases} \tag{5}$$

$$\begin{cases} y - 3z + 4v = 0 \\ x - 2z = 0 \\ 3x + 2y - 5v = 2 \\ 4x - 5z = 0 \end{cases} \tag{6}$$

$$\begin{bmatrix} 1 & 0 & 0 \\ 0 & 3 & 0 \\ 0 & 0 & 1 \end{bmatrix} * \begin{bmatrix} 1 & 2 & 3 \\ 3 & 1 & 2 \\ 5 & 1 & 3 \end{bmatrix} \tag{7}$$

$$\begin{bmatrix} 0 & 1 & 0 \\ 1 & 0 & 0 \\ 0 & 0 & 1 \end{bmatrix} * \begin{bmatrix} 11 & -2 \\ 6 & -14 \\ -21 & 30 \end{bmatrix} \tag{8}$$

$$\begin{bmatrix} 1 & 0 & 0 \\ 0 & 1 & 0 \\ 1 & 0 & 1 \end{bmatrix} * \begin{bmatrix} 1 & 1 & 3 \\ 2 & 1 & 4 \\ 1 & 3 & 0 \end{bmatrix} \tag{9}$$

$$\begin{vmatrix} -3 & 2 \\ 8 & -5 \end{vmatrix} \tag{10}$$

$$\begin{vmatrix} \sin\alpha & \cos\alpha \\ \sin\beta & \cos\beta \end{vmatrix} \tag{11}$$

$$\begin{vmatrix} 1 & i & 1+i \\ -i & 1 & 0 \\ 1-i & 0 & 1 \end{vmatrix} \tag{12}$$

$$\left[\begin{array}{c|cc|ccc} 1 & 0 & 0 & 1 & 1 & 1 \\ \hline 0 & 2 & 2 & 1 & 2 & 3 \\ 0 & 2 & 2 & 4 & 5 & 6 \\ \hline 0 & 0 & 0 & 3 & 3 & 1 \\ 0 & 0 & 0 & 3 & 1 & 3 \\ 0 & 0 & 0 & 1 & 3 & 3 \end{array}\right] \tag{13}$$

$$\int_1^{\infty} \frac{\mathrm{d}x}{(x+2)^2} \tag{14}$$

$$\int_{-\infty}^{0} \frac{\mathrm{d}x}{x^2+4} \tag{15}$$

$$\int_{-\infty}^{\infty} x^2 \exp^{-x^3} \mathrm{d}x \tag{16}$$

$$\int_1^{\infty} \frac{\mathrm{d}x}{\sqrt[3]{3x+5}} \tag{17}$$

$$\log_{\sqrt{5}} 5\sqrt[3]{5} \tag{18}$$

$$\log_{\sqrt[3]{3}} 27 \tag{19}$$

$$\log_2 8\sqrt{2} \tag{20}$$

$$\lim_{n\to\infty} \left(\sqrt{n+6\sqrt{n}+1} - \sqrt{n}\right) \tag{21}$$

$$\lim_{n\to\infty} \frac{1+\frac{1}{2}+\frac{1}{2^2}+\ldots+\frac{1}{2^n}}{1+\frac{1}{3}+\frac{1}{3^2}+\ldots+\frac{1}{3^n}} \tag{22}$$

$$\sum_{n=1}^{\infty} (-1)^{n+1}(2n-1) \tag{23}$$

$$\sum_{n=1}^{\infty} \sin\frac{2\pi}{3^n} \cos\frac{4\pi}{3^n} \tag{24}$$

$$\begin{bmatrix} 1 & 2 & 3 \\ 0 & -6 & 7 \end{bmatrix}^T = \begin{bmatrix} 1 & 0 \\ 2 & -6 \\ 3 & 7 \end{bmatrix} \tag{25}$$

$$U_{AB} = \frac{W_{A\to B}}{q} = \int_A^B \vec{E} * \mathrm{d}\vec{l} \tag{26}$$