$$\lim_{n\to\infty} \frac{n+1}{n} = 1$$

$$\lim_{n\to\infty} \frac{(-1)^n}{n} = 0$$

$$\lim_{n\to\infty} \frac{2n+5}{n} = 2$$

$$\lim_{n\to\infty} 2n - 1 = \infty$$

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

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

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

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

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

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

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

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

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

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

$$\begin{cases} x + 2y + 3z + t = 1 \\ 2x + 4y - z + 2t = 2 \\ 3x + 6y + 10z + 3t = 3 \\ x + y + z + t = 0 \end{cases}$$

$$\begin{cases} x - y + z - 2s + t = 0 \\ 3x + 4y - z + s + 3t = 1 \\ x - 8y + 5z - 9s + t = -1 \end{cases}$$

$$\sqrt[3]{\frac{2}{3}}\binom{n-1}{2}$$

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

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

$$\begin{vmatrix} 1 & 1 & 1 \\ 1 & 2 & 3 \\ 1 & 3 & 6 \end{vmatrix}$$

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

$$B = \begin{bmatrix} 1 & i & 1 \\ 1 & 1 & 0 \\ 1 & 0 & 4 \\ 1 & 0 & 4 \\ 1 & 0 & 4 \\ 1 & 0 & 4 \end{bmatrix}$$