

$$\textcircled{39} \quad \lim_{x \rightarrow \infty}$$

$$\frac{(x^3 - x^2 + 9)}{e^x} \quad \frac{\infty}{\infty}$$

$$\begin{array}{l} \text{LR} \\ \longrightarrow \end{array} \frac{3x^2 - 2x}{e^x}$$

$$\begin{array}{l} \text{LR} \\ \longrightarrow \end{array} \frac{6x - 2}{e^x} \quad \begin{array}{l} \text{LR} \\ \longrightarrow \end{array}$$

$$\frac{6}{e^x} \longrightarrow 0$$