

$$\text{æ } \lim_{n \rightarrow \infty} x_n = a, \lim_{n \rightarrow \infty} y_n = b, \text{ß } i) \lim_{n \rightarrow \infty} x_n \pm y_n = a \pm$$

$$b \text{ } ii) \lim_{n \rightarrow \infty} x_n y_n = ab \text{ } iii) \lim_{n \rightarrow \infty} \frac{x_n}{y_n} = \frac{a}{b} \quad (b \neq 0)$$