

극한값에 관한 기본 성질

▶ 시작

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lim

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$$\lim_x$$

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$$\lim_{x \rightarrow}$$

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$$\lim_{x \rightarrow a}$$

극한값에 관한 기본 성질

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$$\lim_{x \rightarrow a} f(x) =$$

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$$\lim_{x \rightarrow a} f(x) = \alpha,$$

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$$\lim_{x \rightarrow a} f(x) = \alpha, \quad \lim$$

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$$\lim_{x \rightarrow a} f(x) = \alpha, \quad \lim_{x \rightarrow a} g(x) = \beta$$

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$$\lim_{x \rightarrow a} f(x) = \alpha, \quad \lim_{x \rightarrow a} g(x) = \beta \quad (\alpha, \beta \in \mathbb{R})$$

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- $\lim_{x \rightarrow a} \frac{f(x)}{g(x)} = \frac{\alpha}{\beta}$ ($\beta \neq 0$)
- $f(x) <$

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- $f(x) < g(x)$

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- $f(x) < g(x) \Rightarrow \alpha$

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- $f(x) < g(x) \Rightarrow \alpha \leq$

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- $\lim_{x \rightarrow a} \frac{f(x)}{g(x)} = \frac{\alpha}{\beta}$ ($\beta \neq 0$)
- $f(x) < g(x) \Rightarrow \alpha \leq \beta$

극한값에 관한 기본 성질

▶ 저음

$$\lim_{x \rightarrow a} f(x) = \alpha, \lim_{x \rightarrow a} g(x) = \beta \quad (\alpha, \beta \in \mathbb{R})$$

- $\lim_{x \rightarrow a} kf(x) = k\alpha$ (k is a constant.)
- $\lim_{x \rightarrow a} \{f(x) \pm g(x)\} = \alpha \pm \beta$ (Double signs in same order.)
- $\lim_{x \rightarrow a} \{f(x)g(x)\} = \alpha\beta$
- $\lim_{x \rightarrow a} \frac{f(x)}{g(x)} = \frac{\alpha}{\beta}$ ($\beta \neq 0$)
- $f(x) < g(x) \Rightarrow \alpha \leq \beta$