

19, Δ

$\frac{1}{y}$

Birginli $\frac{1}{y}$ ①

(2)

$$\lim_{x \rightarrow 1} \frac{(x - \frac{1}{y})(x-1) \times y}{(x - \frac{1}{y})(x-1) \times \Delta} = \frac{1}{y} \checkmark$$

$$\lim_{x \rightarrow 0} \frac{|2x-1| - |3x+1|}{x} = \frac{-1 - 1}{0 - 1} = \frac{-2}{-1} = 2$$

$$\Rightarrow \lim_{x \rightarrow 0} f(x) = 2 \checkmark$$

$$\lim_{x \rightarrow 4} \frac{(\sqrt{x} - 2)(\sqrt{x} + 2)}{(\sqrt{x} - 2)(\sqrt{x} + 2)} = 1 \checkmark$$

$$\lim_{x \rightarrow 1} \frac{\sqrt{x}(\sqrt{x} - \sqrt{x})}{y(\sqrt{x} - \sqrt{x})(x+1)} = \frac{1}{1+1} = \frac{1}{2}$$

zlop $\lim_{n \rightarrow 1} \frac{1 - \frac{1}{\sqrt{n}}}{\sqrt{n} - 1} = \frac{1}{\sqrt{1}} = \frac{1}{1}$

$$\lim_{x \rightarrow 1} \frac{1 - \sqrt{x}}{y - \sqrt{2-x}} \times \frac{y + \sqrt{2-x}}{y + \sqrt{2-x}} = \frac{(1 - \sqrt{x})(y + \sqrt{2-x})}{-1 - \sqrt{x}} = -2 \checkmark$$

$$\lim_{x \rightarrow 9} \frac{\sqrt{4x+5} - 5}{\sqrt{2x+7} - 3} \times \frac{\sqrt{4x+5} + 5}{\sqrt{4x+5} + 5} \times \frac{\sqrt{2x+7} + 3}{\sqrt{2x+7} + 3} = \frac{(4x+5) - 25}{(2x+7) - 9} \times \frac{(\sqrt{4x+5} + 5)(\sqrt{2x+7} + 3)}{(\sqrt{4x+5} + 5)(\sqrt{2x+7} + 3)}$$

$$\text{zlop} \rightarrow \lim_{n \rightarrow 1} \frac{\frac{1}{\sqrt{2n+1}}}{\frac{1}{\sqrt{2n+1}}} = \frac{1}{1} = 1$$

