

این ترمیم از ۵ تا ۱۰ روز در صورت B قابل است

۰۸:۰۰

① $\lim_{x \rightarrow \mu^+} f(x) - \mu = 0$

$\lim_{x \rightarrow \mu} f(x) - \mu = 0$

۰۹:۰۰

② $\lim_{x \rightarrow \mu^+} f(x) - \mu = 0$

$\lim_{x \rightarrow \mu^-} f(x) - \mu = f(1) - \mu = 1$

۱۰:۰۰

③ $\lim_{x \rightarrow \mu^+} [f(x) - \mu] = [0^+] = 0$

$\lim_{x \rightarrow \mu^-} [f(x) - \mu] = [0^-] = \mu$

۱۱:۰۰

④ $\lim_{x \rightarrow \mu^+} [f(x) - \mu] = 0$

$\lim_{x \rightarrow \mu^-} [f(x) - \mu] = 0$

۱۲:۰۰

⑤ $\lim_{x \rightarrow \mu} \frac{f(x) - \mu}{x - \mu}$

$\begin{matrix} \mu^+ & \rightarrow & \frac{q}{0^+} = +\infty \\ & \searrow & \\ \mu^- & \rightarrow & \frac{q}{0^-} = -\infty \end{matrix}$

→ *نیست*

۱۳:۰۰

$\lim_{x \rightarrow \mu} \frac{f(x) - \mu}{(x - \mu)^2} = \frac{q}{0^+} = +\infty$ *نیست*

۱۴:۰۰

⑥ $\lim_{x \rightarrow \mu} \frac{f(x) - \mu}{\sqrt{x - \mu}}$

$\begin{matrix} \mu^+ & \rightarrow & \frac{q}{0^+} = +\infty \\ & \searrow & \\ \mu^- & \rightarrow & \frac{q}{\sqrt{0^-}} = 0^- \end{matrix}$

→ *نیست*

۱۵:۰۰

⑦ $\lim_{x \rightarrow \mu} \frac{f(x) - \mu}{\sqrt{x^2 - f(x) + \mu}}$

$\begin{matrix} \mu^+ & \rightarrow & \frac{q}{0^+} = +\infty \\ & \searrow & \\ \mu^- & \rightarrow & \frac{q}{\sqrt{0^-}} = 0^- \end{matrix}$

→ *نیست*

۱۶:۰۰

$$\textcircled{a} \text{ اول} \rightarrow \lim_{x \rightarrow 2} \frac{\sqrt{x-2}}{x^2 - 5x + 11} = \frac{0^+}{0^-} = -\infty$$

$$\lim_{x \rightarrow 2} \frac{\sqrt{x-2}}{x^2 - 5x + 11} = \frac{0^+}{0^+} = +\infty$$

09:00

$$\text{ب} \rightarrow \lim_{x \rightarrow 2} \frac{\sqrt{x-2}}{(x-2)} = \frac{0^+}{0} = 0$$

$$\lim_{x \rightarrow 2} \frac{\sqrt{x-2}}{(x-2)} = \frac{0^+}{-1} = -0$$

10:00

$$\textcircled{a} \lim_{x \rightarrow 2} [\sqrt{x}] + [-2x] = \frac{0^+}{0^+} \rightarrow 2 + (-4) = -2$$

$$\lim_{x \rightarrow 2} [\sqrt{x}] + [-2x] = 2 + (-4) = -2$$

11:00

$$\text{ب} \rightarrow \lim_{x \rightarrow 2} [-\sqrt{x}] + [2x] = \frac{0^+}{0^+} \rightarrow -2 + 4 = 2$$

$$\lim_{x \rightarrow 2} [-\sqrt{x}] + [2x] = -2 + 4 = 2$$

12:00

$$\textcircled{a} \text{ اول} \rightarrow \lim_{x \rightarrow 2} [2\sqrt{x}] = \frac{0^+}{0^+} \rightarrow 2 = 2$$

$$\lim_{x \rightarrow 2} [2\sqrt{x}] = 2 = 2$$

13:00

$$\text{ب} \rightarrow \lim_{x \rightarrow 2} [4 - x^2] = \frac{0^+}{0^+} \rightarrow 0 = 0$$

$$\lim_{x \rightarrow 2} [4 - x^2] = 0 = 0$$

15:00

$$\textcircled{a} \text{ اول} \rightarrow \lim_{x \rightarrow 2} \frac{|x-2|}{(x-2)(x-1)} = \frac{0^+}{0^+} \rightarrow \frac{1}{1} = 1$$

$$\lim_{x \rightarrow 2} \frac{|x-2|}{(x-2)(x-1)} = \frac{-1}{1} = -1$$

16:00

$$\text{ب} \rightarrow \lim_{x \rightarrow 1} \frac{x-2}{x^2-1} = \frac{0^+}{0^+} \rightarrow \frac{1}{1} = 1$$

$$\lim_{x \rightarrow 1} \frac{x-2}{x^2-1} = \frac{1}{0^-} = -\infty$$

17:00