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ا) $\lim_{x \rightarrow 2^+} (x-3) = (2-3) = \omega$

ب) $\lim_{x \rightarrow 2^-} (x-3) = (2-3) = \omega$

ا) $\lim_{x \rightarrow 2^+} (x-3) = (2^+) - 3 = (x-3) = \omega$

ب) $\lim_{x \rightarrow 2^-} (x-3) = (2^-) - 3 = (x-3) = \omega$

ا) $\lim_{x \rightarrow 2^+} (x-3) = [(x-3)^+], [1^+ - 3], (\omega^+), \omega$

ب) $\lim_{x \rightarrow 2^-} (x-3) = [(x-3)^-], [1^- - 3], (\omega^-), \omega$

ا) $[\lim_{x \rightarrow 2} (x-3)] = [\omega] = \omega$

ب) $[\lim_{x \rightarrow 2} (x-3)] = [\omega] = \omega$

ا) $\lim_{x \rightarrow 3} \frac{(x-3)}{x-3} \left\{ \begin{array}{l} \frac{0}{0^+} = +\infty \\ \frac{0}{0^-} = -\infty \end{array} \right\}$ صندارد

ب) $\lim_{x \rightarrow 3} \frac{(x-3)}{(x-3)^2} \left\{ \begin{array}{l} \frac{0}{0^+} = +\infty \\ \frac{0}{0^-} = +\infty \end{array} \right\}$ صندارد

ا) $\lim_{x \rightarrow 3} \frac{(x-3)}{\sqrt{x-3}} \left\{ \begin{array}{l} \frac{0}{0^+} = +\infty \\ \frac{0}{\sqrt{3-3}} \times \infty \end{array} \right\}$ صندارد

ب) $\lim_{x \rightarrow 3} \frac{(x-3)}{\sqrt{2x^2 - 2x + 3}} \left\{ \begin{array}{l} \frac{0}{\sqrt{0^+}} = +\infty \\ \frac{0}{\sqrt{0^-}} \times 0 = \end{array} \right\}$ صندارد



$$\lim_{n \rightarrow 2} \frac{(n-2)}{n^2 - \sqrt{n+1}}$$

$$\left. \begin{array}{l} r^+ \rightarrow \frac{0}{0} = -\infty \\ r^- \rightarrow \frac{0}{0^+} = +\infty \end{array} \right\} \text{مردار}$$

$$\lim_{n \rightarrow 2} \frac{(n-2)}{(n-2)}$$

$$\left. \begin{array}{l} r^+ \rightarrow \frac{0}{0^+} = \frac{0}{0^+} \times 0 = 0 \\ r^- \rightarrow \frac{0}{0^-} = \frac{0}{-1} = -0 \end{array} \right\} \text{مردار}$$

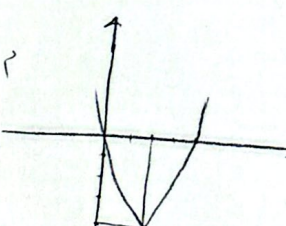
$$\lim_{n \rightarrow 2} [(2n) + (-2n)]$$

$$\left. \begin{array}{l} r^+ \rightarrow (0^+) + (-0^-) = 0 - 0 = 0 \\ r^- \rightarrow (0^-) + (-0^+) = 0 - 0 = 0 \end{array} \right\} -1$$

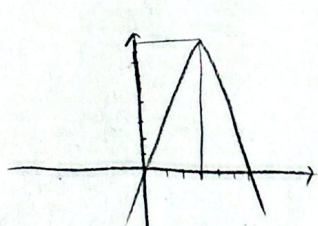
$$\lim_{n \rightarrow -7} [(-2n) + (2n)]$$

$$\left. \begin{array}{l} -7^+ \rightarrow \begin{array}{l} n > -7 \rightarrow -2n < 14 \\ n > -7 \rightarrow 2n > -14 \end{array} \rightarrow 14 - 14 = 0 \\ -7^- \rightarrow \begin{array}{l} n < -7 \rightarrow -2n > 14 \\ n < -7 \rightarrow 2n < -14 \end{array} \rightarrow 14 - 14 = 0 \end{array} \right\} -9$$

$$\lim_{n \rightarrow 2} [n^2 - (n)] = -1$$

$$\left. \begin{array}{l} r^+ \rightarrow (-2^+) = -2 \\ r^- \rightarrow (-2^-) = -2 \end{array} \right\} \text{فصل اکسید}$$


$$\lim_{n \rightarrow 3} [4n - 2n^2]$$

$$\left. \begin{array}{l} r^+ \rightarrow (9^-) = 9 \\ r^- \rightarrow (9^-) = 9 \end{array} \right\} \text{فصل اکسید}$$


$$\lim_{n \rightarrow 2} \frac{|n-2|}{n^2 - 3n + 2} = \frac{0}{0}$$

$$\left. \begin{array}{l} r^+ \rightarrow \frac{n-2}{(n-2)(n-1)} = \frac{1}{1} = 1 \\ r^- \rightarrow \frac{-(n-2)}{(n-2)(n-1)} = -1 \end{array} \right\} \text{مردار}$$

$$\lim_{n \rightarrow 1} \frac{n - [n]}{n^2 - 1} = \frac{0}{0}$$

$$\left. \begin{array}{l} r^+ \rightarrow \frac{n-1}{(n-1)(n+1)} = \frac{1}{2} \\ r^- \rightarrow \frac{n}{n^2-1} = \frac{1}{0^-} = -\infty \end{array} \right\} \text{مردار}$$