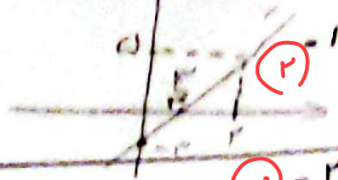


الف)  $\lim_{x \rightarrow 2^+} (x-2) = 0$  ✓ ب)  $\lim_{x \rightarrow 2^-} (x-2) = 0$  ✓



الف)  $\lim_{x \rightarrow 2^+} f(x) = 2$  ✓ ب)  $\lim_{x \rightarrow 2^-} f(x) = 1$  ✓

الف)  $\lim_{x \rightarrow 2^+} [f(x-2)] = [0^+] = 0$  ✓ ب)  $\lim_{x \rightarrow 2^-} [f(x-2)] = [0^-] = 0$  ✓

الف)  $\lim_{x \rightarrow 2^+} [f(x-2)] = \lim_{x \rightarrow 2^+} f(x-2) = 0 \rightarrow [0] = 0$  ✓ ب)  $\lim_{x \rightarrow 2^-} [f(x-2)] = \lim_{x \rightarrow 2^-} f(x-2) = 0 \rightarrow [0] = 0$  ✓

الف)  $\lim_{x \rightarrow 2^+} \frac{x-2}{x-2} = \frac{0^+}{0^+} = +\infty$  ✓ ب)  $\lim_{x \rightarrow 2^-} \frac{x-2}{x-2} = \frac{0^-}{0^-} = +\infty$  ✓

الف)  $\lim_{x \rightarrow 2^+} \frac{x-2}{\sqrt{x-2}} = \frac{0^+}{0^+} = +\infty$  ✓ ب)  $\lim_{x \rightarrow 2^-} \frac{x-2}{\sqrt{x-2}} = \frac{0^-}{0^-} = +\infty$  ✓

الف)  $\lim_{x \rightarrow 2^+} \frac{x-2}{x^2-4x+4} = \frac{0^+}{0^+} = +\infty$  ✓ ب)  $\lim_{x \rightarrow 2^-} \frac{x-2}{x^2-4x+4} = \frac{0^-}{0^-} = +\infty$  ✓

ب)  $\lim_{x \rightarrow 2} \frac{x-2}{[x-2]} = \frac{0}{0} = -9$  ✓

الف)  $\lim_{x \rightarrow 2} [2x] + [-2x] = [4] + [-4] = 0$  ✓

ب)  $\lim_{x \rightarrow 2} [-2x] + [2x] = [-4] + [4] = 0$  ✓

الف)  $\lim_{x \rightarrow 2} [x^2 - 2x] = [2] = 2$  ✓

ب)  $\lim_{x \rightarrow 2} [2x - x^2] = [0] = 0$  ✓

الف)  $\lim_{x \rightarrow 2} \frac{|x-2|}{x^2-4x+4} = \frac{0}{0} = 1$  ✓

ب)  $\lim_{x \rightarrow 1} \frac{x-[x]}{x^2-1} = \frac{0}{0} = \infty$  ✓

$x \rightarrow 1^+ : \frac{x-1}{(x-1)(x+1)} = \frac{1}{x+1}$