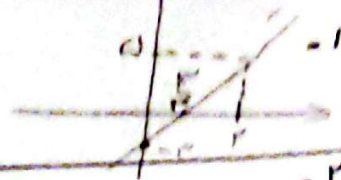


الف) $\lim_{x \rightarrow 2^+} (x-2) = 2 \times 2 - 2 = 2$

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



الف) $\lim_{x \rightarrow 2^+} f(x) = 2 \rightarrow [2^+] = 1$

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

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

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

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

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

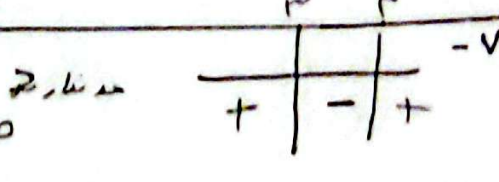
الف) $\lim_{x \rightarrow 2} \frac{x-2}{x-2} = \frac{0}{0} = +\infty$

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

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

ب) $\lim_{x \rightarrow 2} \frac{x-2}{\sqrt{x^2-4}+2} = \frac{0}{0} = \frac{9}{9} = 1$

الف) $\lim_{x \rightarrow 2} \frac{x-2}{x^2-5x+6} = \frac{0}{0} = -\infty$

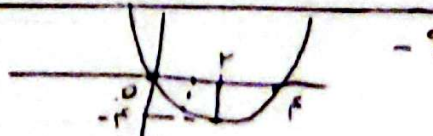


ب) $\lim_{x \rightarrow 2} \frac{x-2}{[x-2]} = \frac{0}{0} = -9$

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

ب) $\lim_{x \rightarrow -2} [-2x] + 2x = [4] + 2 = 6$

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



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



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

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