

$$\lim_{x \rightarrow 3} \frac{[x]^2 - 9}{x^2 - 9}$$

(ب)

$$\lim_{x \rightarrow 1} \frac{\sqrt{x+1} - \sqrt{2x}}{x^2 - x}$$

(الف - ۱)

$$\lim_{x \rightarrow 0^+} \frac{\sqrt{x}}{\sqrt{4+\sqrt{x}} - 2}$$

(ت)

$$\lim_{x \rightarrow 0} x[n]$$

(پ)

$$\lim_{x \rightarrow 1} (x-1)^2 \sin\left(\frac{1}{\sqrt[3]{x-1}}\right)$$

(ع)

$$\lim_{n \rightarrow \left(\frac{-1+\sqrt{5}}{2}\right)^-} [n^2 + n]$$

(ث)

$$\lim_{x \rightarrow 1^+} \frac{[x^2 + x] - [x]^2}{x^2 - 1}$$

(ح)

$$\lim_{n \rightarrow 0} \sin(n) \cdot \sin\left(\frac{1}{n}\right)$$

(ج)

$$\lim_{x \rightarrow \frac{\pi}{3}} \frac{\sin\left(x - \frac{\pi}{3}\right)}{1 - 2\cos(x)}$$

(د)

$$\lim_{n \rightarrow 0} \frac{n^2 \sin\left(\frac{1}{n}\right)}{\sin(n)}$$

(ز)

$$\lim_{x \rightarrow 4^+} \frac{[x^3] - 18}{x - 4}$$

(ر)

$$\lim_{x \rightarrow 4^-} \frac{[x^3] - 18}{x - 4}$$

(س)

$$\lim_{x \rightarrow +\infty} \frac{\sqrt{x^2 - 4}}{x + 4}$$

(ط)

$$\lim_{x \rightarrow 2^-} \frac{\sqrt{4 - x^2}}{x^2 - 4}$$

(ی)

$$\lim_{x \rightarrow +\infty} \frac{\sqrt{x^3 + 1}}{x - 1}$$

(ق)

$$\lim_{x \rightarrow -\infty} \frac{\sqrt{x^2 - 2x + 1}}{-2x + 5}$$

(ف)

$$\lim_{x \rightarrow +\infty} \left(\frac{2}{\sqrt{x}} - 2x\right)$$

(ک)

$$\lim_{x \rightarrow +\infty} \frac{-x^2 + 5x - 6}{3x - 1}$$

(ض)