

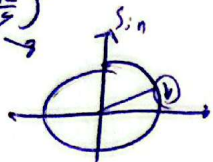
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$$\lim_{n \rightarrow \infty} \left[\frac{r-n}{r} \right] + a \left[\frac{n+r}{r} \right] \rightarrow \begin{matrix} -r^+ \\ -r^- \end{matrix} \rightarrow \begin{matrix} r \\ r+(-a) \end{matrix}$$

$$r = r - a \quad a = r \quad \left[\frac{r}{r} \right] = 0$$

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$$\lim_{n \rightarrow (\frac{\pi}{2})^-} [r \sin n - 1] = \left[r \left(\left(\frac{1}{r} \right)^- \right) - 1 \right] = -1$$

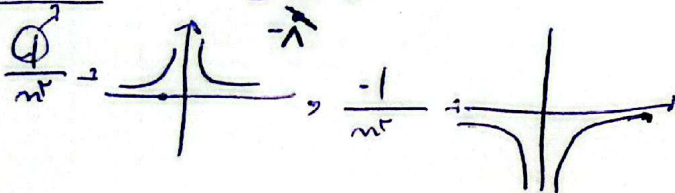


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$$\lim_{n \rightarrow -\frac{1}{r}} [1n^r - n] = \left[-1 + \frac{1}{r} \right] = -1$$

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$$\lim_{n \rightarrow (-\frac{1}{r})^-} \frac{1n - a + \left[\frac{r}{n^r} \right]}{1n - \left[-\frac{r}{n^r} \right]} = \frac{1n + 6}{1n - 1} = \frac{9 - 0}{-1 - 1} = \left(\frac{-1}{16} \right)$$



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$$\lim_{n \rightarrow 1} \frac{\sin n^r \cos n}{[n] + \cos 1 \cos n} = \frac{1 - \cos^2 n}{1 + \cos n} = \frac{(1 - \cos n)(1 + \cos n)}{1 + \cos n} = 1 - \cos n = 0$$

۶

~~$$\lim_{n \rightarrow 1} \frac{\sqrt{n+1} - \sqrt{n}}{1 + \sqrt{n}} \cdot \frac{(\sqrt{n+1} + \sqrt{n})}{(\sqrt{n+1} + \sqrt{n})} \xrightarrow{\text{hop}} \frac{1}{2}$$~~

✓

$$\lim_{n \rightarrow 1} \frac{r(n - \sqrt{n+1})}{r(n - \sqrt{n+1})} \times \frac{r}{r} = \frac{r(\sqrt{n} - 1)(\sqrt{n} - \frac{1}{r})}{r(n - \sqrt{n+1})}$$

1

$$\frac{ab}{c} = \frac{-\sqrt{c} \frac{\sqrt{c}}{r}}{c} = \left(-\frac{1}{r} \right)$$

2

$$\frac{f}{2} - k - \frac{f}{2} \quad [-k] = (-2)$$

1.

- 9