

$f(n) = (k_n - \mu) \sqrt{a_n}$

$f'(n) = (k_n - \mu)' \sqrt{a_n} = k' \sqrt{a_n} + \frac{(k_n - \mu) \times a_n}{\sqrt{a_n}} = k' \times \sqrt{\frac{a_n}{k}}$

$f'(n) = (\mu - k_n \times \sqrt{a_n})' = -\mu' \sqrt{a_n} + \frac{(\mu - k_n) \times a_n}{\sqrt{a_n}} = -\mu' \sqrt{\frac{a_n}{k}}$

$\frac{f'(n)}{f(n)} = \frac{k' \times \sqrt{\frac{a_n}{k}}}{(k_n - \mu) \sqrt{a_n}} = \frac{k'}{k_n - \mu} \times \frac{\sqrt{a_n}}{\sqrt{a_n}} = \frac{k'}{k_n - \mu}$

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امتیاز سے حاصل

$$1\sqrt{\frac{14}{9}} = \frac{1 \times \sqrt{14}}{\sqrt{9}} = \frac{1}{3}\sqrt{14} = \frac{1}{3}\sqrt{14} \rightarrow \frac{1}{3}\sqrt{14} \rightarrow \left[\frac{1}{3}\sqrt{14}\right]$$

$$y + ax \leq y_s - ax + P \rightarrow f'(u)_s = a$$

π

$$p'(r) + f(r) = -1 \rightarrow -a + -r_1 + r = -2a + r = 1 \rightarrow -2a; -r \rightarrow a; \frac{r}{2}$$

$$f'(k) = a = \frac{10}{\omega} \quad (0.9)$$

$$V_y - x = \omega$$

$$\frac{an-1}{p_2(-1)} \rightarrow \frac{x+\omega}{y} = \frac{an-1}{p_2+1} \rightarrow \sqrt{an-y}, \sqrt{p_2+1}, \sqrt{an+\omega}$$



$$\rightarrow 12 \frac{1}{2} (19.4a) x + 11 = 0 \rightarrow \Delta = 0 \rightarrow (19.4a)^2 - 4(12 \frac{1}{2})(11) \rightarrow (19.4a)^2 - (11)^2$$

$$15 - V_a = 15 \rightarrow a = \frac{K}{V} \quad \times$$

14-19 s-1P $\rightarrow$ 9 sK ✓

$$a \in K \rightarrow \psi_{2n-1} \psi_{2n} + 1 \rightarrow \psi_{(n-1)}^2 \rightarrow \underline{\underline{2n-1}}$$

$$f(x) = x^3 + ax - b \rightarrow f'(x) = 3x^2 + a \xrightarrow{x=1} 1 + a = 0 \rightarrow \underline{\underline{a = -1}}$$

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$$f(y) = 0 \longrightarrow \wedge -14 \times y - 600 \longrightarrow b = -14$$

$$b - a = -19 + 11 = \underline{-8}$$

$$f(n) = \frac{\sqrt{n} + 1}{\sqrt{n} - 1} \rightarrow f\left(\frac{1}{\sqrt{n}}\right) = \frac{1}{\sqrt{n}} (\sqrt{n} - 1) - (\sqrt{n} + 1) \frac{1}{\sqrt{n}} = \frac{\sqrt{n} - 1}{\sqrt{n}} - \frac{\sqrt{n} + 1}{\sqrt{n}}$$

□

$$\frac{\frac{-Y}{X\sqrt{Y}}}{(\sqrt{Y}-1)^Y} = \frac{-1}{\sqrt{Y}(\sqrt{Y}-1)^Y}$$

$$\frac{d}{dx} (1+x)^{-1} = \frac{d}{dx} (1+x)^{-1} = -1(1+x)^{-2} = -\frac{1}{(1+x)^2}$$

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$$f'(x) = 3(x^2+1)^{-1} \cdot (-\frac{1}{x^2+1}) + (x^2+1)^0 \cdot (-\frac{1}{x^2}) = -\frac{3}{x^2(x^2+1)} - \frac{1}{x^2} = -\frac{3 + x^2 + 1}{x^2(x^2+1)} = -\frac{x^2+4}{x^2(x^2+1)}$$

$\cos \theta_1 = \frac{\Delta y}{\Delta z} = \frac{\sin \frac{\pi}{4} \cos \frac{\pi}{4} - \sin \frac{\pi}{4} \cos \frac{\pi}{4}}{\frac{\pi}{4} - \frac{\pi}{4}} = \frac{1}{-\frac{\pi}{4}} = -\frac{4}{\pi}$

$\cos \theta_2 = \frac{\Delta y}{\Delta z} = \frac{\sin \frac{\pi}{4} \cos \frac{\pi}{4} - \sin \frac{\pi}{4} \cos \frac{\pi}{4}}{\frac{\pi}{4} - \frac{\pi}{4}} = \frac{-1}{-\frac{\pi}{4}} = \frac{4}{\pi}$

1- برآورد

$\left(\frac{\sqrt{2}}{2}\right)^4 = \frac{4}{16} = \frac{1}{4}$