

$$g'(\frac{r}{\varepsilon}) = \sqrt{r} \quad f'(r) = ?$$

$$f'(x) = \frac{2}{2\sqrt{x}} = \frac{1}{\sqrt{x}}$$

$$\text{ex } \textcircled{D} f'(r) = \sqrt{r} \rightarrow f(r) = \frac{\sqrt{r}}{\frac{1}{2}} = \frac{1}{2}\sqrt{r}$$

-1
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$$\sin \frac{V\pi}{4} = -\frac{1}{\sqrt{2}}$$

⑦

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3-4

$$a = \frac{1}{r}$$

⑤

$$f'(x) = -a = -\frac{2}{D}$$

①

$$(14 - V_a)^2 = 188 \rightarrow 14 - V_a = \pm 15$$

~~$$a = \frac{v}{v}$$~~

$$a = \frac{1}{2}$$

$$x \approx y$$

$$n^a + an - b = f(n)$$

$$b - a = 9$$

$$f(r) \rightarrow 1 + a - b = 0$$

$$f'(r) = r^a + a = 1 + a = 0$$

$$\rightarrow a = -1 \rightarrow b = -1 - (-1) = 0 \rightarrow b = -1$$

$$-1 - (-1) = -8$$

$$f(n) = \sin^n \left(\frac{n}{n} \right) \quad \lim_{n \rightarrow 0} \frac{f(n)f'(n)}{(1 - \cos n)^m} = \sqrt[n]{n} \quad r_{m+n} = ?$$

$$f'(n) = n n^{n-1}$$

$$\frac{n n^{n-1}}{\left(\frac{n}{n} \right)^m} = \sqrt[n]{n} \quad n^{n-1} \times n^{m+1} \times n^{-\frac{m}{n}} = n$$

$$r_m = n-1 \rightarrow n = r_m - 1$$

$$r_{n+1} \times n = r \Rightarrow r = \dots$$

$$\rightarrow n = 2 \rightarrow m = 2 - \frac{1}{2} = \frac{3}{2} \quad r_{m+n} = 2 + \frac{3}{2} = \frac{7}{2}$$

$$f(n) = \frac{\sqrt{n+1}}{\sqrt{n-1}} \rightarrow \sqrt{n+1} = r\sqrt{n-1} \rightarrow \sqrt{n} = r \rightarrow n = 9$$

$$f^{-1}(n) \rightarrow n = \frac{\sqrt{y+1}}{\sqrt{y-1}} \rightarrow \sqrt{y} = \frac{n+1}{n-1} \rightarrow y = \left(\frac{n+1}{n-1} \right)^2 = r \left(\frac{n-1}{n-1} \right)^2 \times \frac{n+1}{n-1}$$

$$-15$$

$$f(n) = (n^2 + 1)^n (an + 1) \quad [-1, 0] \quad -1 \quad n = -5a$$

$$1 - 1 + 1a = -1 \rightarrow 1a = -1 + 1 - 1 = -1 \rightarrow a = -\frac{1}{5} \rightarrow n = 1$$

$$n = 1$$

$$n(n^2 + 1)^n (an + 1) + (n^2 + 1)^n \times a$$

$$1 - 1 = 0$$

$$y = \sin n \cos 2n \quad y = \sin n - \cos n \quad \left[\frac{\pi}{2}, \frac{\pi}{2} \right]$$

$$f\left(\frac{\pi}{2}\right) - f\left(\frac{\pi}{2}\right)$$

$$g\left(\frac{\pi}{2}\right) - g\left(\frac{\pi}{2}\right)$$

$$r_{m+n} = \dots$$

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