

Subject :

Year.      Month.      Date.      ( )

به نام خدا یا معنی ندی

$$m = \frac{a-1}{p} = \frac{f}{p}$$

$$y = \frac{f}{p}x + 1$$

$$\left[ \frac{f}{p} \right]$$

-1

$$m = \frac{y-1}{x+1} = \frac{1}{p}$$

$$y = \frac{1}{p}x + \frac{f}{p}$$

$$f(x) = \sqrt{x} = p$$

-2

$$\sqrt{ax-1} = \frac{x+f}{p}$$

تفکیک  
کسرها

$$ax-1 = x^2 + 1x + k$$

$$x^2 + (1-a)x + 1$$

$$a=2$$

$$y = \frac{px+n}{f}$$

$$1 = \frac{p+n}{f} \rightarrow n=1$$

-3

$$y'(1) = \frac{pn+f}{f^2} = \frac{p}{f}$$

$$n=2$$

$$\left[ \frac{p}{f} \right]$$

$$\frac{(p-\sin x)(\sin^2 x + p \sin x + q)}{(p-\sin x)(\sin x + p)}$$

$$\left( \frac{-\sin x (\sin x + p)}{\sin x + p} \right)$$

$$\left( \frac{q}{p} \right) =$$

$$\cos \frac{a\pi}{p} = \frac{1}{p}$$

$$g(x) = \frac{1}{x^a + |x^a|}$$

$$f(x) = \frac{-1}{\sqrt{x+1}}$$

-4

$$(f \circ g) \left( \frac{1}{\sqrt{p}} \right) = -1$$

$$\frac{-1}{\sqrt{\frac{1}{p} + 1}} = -x$$

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$$g(x) = f(x) \frac{-1}{x}$$

$$g(x) = \frac{1 + \sin^p x - 1 - \sin^p x - 1 - \sin^p x - 1 - \sin^p x}{(1 + \sin x)^p x} \quad -9$$

$$= \frac{-4 \sin x}{x(1 + \sin x)^p}$$

$$\lim_{x \rightarrow 0} \frac{-4 \sin x}{x(1 + \sin x)^p} \rightarrow \boxed{-4}$$

$$y = -x^p - 1 \quad y' = -px$$

-10

$$f'(x) = p \cdot x \sqrt{x} + \frac{p}{\sqrt{x}}$$

(a, da)

-11

$$f(a) = \Lambda a^p \sqrt{a} + \frac{p}{\sqrt{a}} = da$$

$$da = \Lambda a^p \sqrt{a} + \frac{p}{\sqrt{a}}$$

$$p = +\frac{1}{p} \quad q = -\frac{1}{p}$$

$$f'(\frac{1}{p}) = \frac{d}{p} = \frac{\Lambda}{\sqrt{p}}$$

$$d = \frac{\Lambda \times p}{\sqrt{p}} = \boxed{\Lambda \sqrt{p}}$$

-9

$$[x] = y$$

$$(f \circ g)' = \left( \frac{-y}{\sqrt{x-1}} \right)'$$

$$\frac{y \sqrt{y}}{y}$$

$$= 1 \sqrt{y}$$

$$\frac{1 \sqrt{y}}{-y \sqrt{y}} = \boxed{-\frac{1}{y}}$$

-10