

$$x^3 + a < x \Rightarrow 12a - 2 \leq a^3 - f \Rightarrow a^3 - 12a + 12 > 0 \Rightarrow (a-2)(a^2+2a-1) > 0$$

$$12x - 2 \cdot x \leq a \Rightarrow (a-2)^2(a+1) > 0$$

$$a+2 > 0$$

$$a > -2 \Rightarrow [-2, \infty)$$

$$F^{-1}(f) = f \Rightarrow F \circ F^{-1} = \text{id} \Rightarrow F(f) = F(F^{-1}(f)) = f \Rightarrow \boxed{K=1}$$

$$F(V) = F(V) - 1 \cdot 1 = 0 \Rightarrow \boxed{11}$$

$$F(3n+k) = 9n + 3k + k = 9n + 4k = \boxed{9n - f}$$

$$F^{-1}(2a) = a \Rightarrow F(a) = 2a \Rightarrow F(a) = \frac{a(a)}{a-1} \Rightarrow \frac{a^2}{a-1} = 2a \Rightarrow 2a^2 - 2a = a^2 \Rightarrow a^2 - 2a = 0 \Rightarrow a(a-2) = 0$$

$$a = 0 \text{ or } a = 2$$

$$a = 0 \Rightarrow \frac{0(0)}{0-1} = 0 \Rightarrow \text{غیر منطقی}$$

$$a = 2 \Rightarrow \frac{2(2)}{2-1} = 4 \Rightarrow F(2) = 4 \Rightarrow F^{-1}(4) = 2$$

$$F^{-1} \quad F$$

$$\omega \rightarrow \omega \rightarrow \omega$$

$$v \rightarrow f \rightarrow v$$

$$r \rightarrow v \rightarrow r$$

$$y \rightarrow q \rightarrow y$$

$$\boxed{F \circ F^{-1}}$$

$$F \quad F^{-1}$$

$$\omega \rightarrow \omega \rightarrow \omega$$

$$f \rightarrow v \rightarrow f$$

$$v \rightarrow r \rightarrow v$$

$$q \rightarrow y \rightarrow q$$

$$\boxed{F \circ F^{-1}}$$

$$g^{-1} \quad F$$

$$\omega \rightarrow \omega \rightarrow \omega$$

$$v \rightarrow \omega \rightarrow v$$

$$y \rightarrow q \rightarrow y$$

$$\boxed{F \circ g^{-1}}$$

$$F \quad g^{-1}$$

$$\omega \rightarrow \omega \rightarrow \omega$$

$$v \rightarrow \omega \rightarrow v$$

$$y \rightarrow q \rightarrow y$$

$$\boxed{g^{-1} \circ F}$$

$$g^{-1} \quad F$$

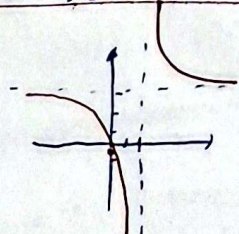
$$\omega \rightarrow \omega \rightarrow \omega$$

$$v \rightarrow \omega \rightarrow v$$

$$y \rightarrow q \rightarrow y$$

$$\text{غیر منطقی}$$

$$h'(1) = \frac{1}{f} \Rightarrow \frac{h'(1)}{f \cdot g^{-1}(1)} = \frac{1}{f} \Rightarrow \frac{h'(1)}{f \cdot g^{-1}(1)} = \frac{1}{f} \Rightarrow \boxed{\frac{h'(1)}{f \cdot g^{-1}(1)} = \frac{1}{f}}$$



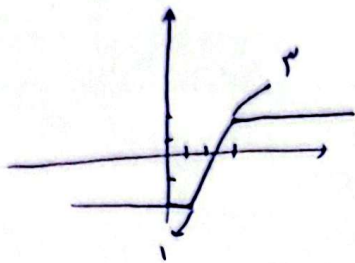
$$\frac{f(0)+1}{0-2} = \frac{1}{-2}$$

$$\text{مجاوب انتی: } \frac{f(0)+1}{0-2} = \frac{1}{-2}$$

$$\text{مجاوب نامی: } \frac{f(0)+1}{0-2} = \frac{1}{-2}$$

$$x \leq \frac{3y+1}{y-2} \Rightarrow xy - 2x \leq 3y + 1$$

$$xy - 3y \leq 2x + 1 \Rightarrow y \leq \frac{2x+1}{x-3}$$



$\Rightarrow [a, \beta] \Rightarrow \beta \in \mathbb{R}$ as 1

$$f(n), n-1+x-y \leq ym-f$$

$$\Rightarrow n+y-f \leq n-f+y \Rightarrow \frac{n-f}{y} \leq y \Rightarrow \frac{n}{y} - 1 \leq y$$

$$F'(x) \leq \frac{n}{y} - 1$$

$$\left. \begin{array}{l} x \geq 1 \Rightarrow y = [\omega, +\infty) \\ x < 1 \Rightarrow y = [-1, -\infty) \end{array} \right\} \text{یکپارچ است}$$

$$\left. \begin{array}{l} y+1 \leq n \Rightarrow y \leq n-1 \Rightarrow \begin{cases} y \leq \sqrt{n-1} & n \geq 0 \\ y \leq \frac{n+1}{f} & n < -1 \end{cases} \end{array} \right\} \wedge$$

$$n \leq y - \frac{y^2+1+y^2+y^2}{y+y} = \frac{y^2+y^2-y^2-y^2-y-1}{y+y} = \frac{-y-1}{y+y} = n \Rightarrow ny + n^2 = -y-1$$

$$F'(x) = \frac{-y(-1)-1}{y(-1)+y} = \frac{1}{0} = \Delta$$

$$a = -y$$

$$b = -1$$

$$d = y$$

$$ny + n^2 = -y-1$$

$$y(n+y) = -n-1$$

$$y = \frac{-n-1}{n+y} = \frac{a n + b}{r n + d}$$

$$F\left(\frac{1}{f}\right) = \frac{1}{\frac{1}{f}+1} = \frac{1}{\frac{1+f}{f}} = \frac{f}{1+f} \Rightarrow \frac{f}{1+f} = y \Rightarrow f = \frac{y}{1-y}$$

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

یکپارچ است. معکوس ندارد