

$$\text{est } f_{(n)} = (1, 4)$$

14, 28

نقد صلاحیتی (۲)

$$1 - r + f(r, x + r)$$

$$\rightarrow v \times 1/r = v/r$$

$$\rightarrow rx + r = 1 \rightarrow x = -1/r, \quad 1 - r \times r = -v \rightarrow A(-1/r, -v)$$

$$r - \sqrt{rx} \rightarrow r - \sqrt{rx + r} \rightarrow \sqrt{rx + r} - r \rightarrow \sqrt{rx + r} + r$$

$$\rightarrow \sqrt{rx + r} + r = \frac{v}{r} \rightarrow \sqrt{rx + r} = \frac{v}{r} \rightarrow rx + r = \frac{v^2}{r^2} \rightarrow rx = \frac{1}{r}$$

$$\rightarrow x = 1/r$$

$$Df = (a, r), \quad Pg = [-1, b]$$

$$g = f_{(x+1)} + g_{(x+1)} \rightarrow (a+1, a] \cap [-r, b-1] = (-r, a)$$

$$b-1 = a \rightarrow b = a+1$$

$$a+1 = -r \rightarrow a = -r-1$$

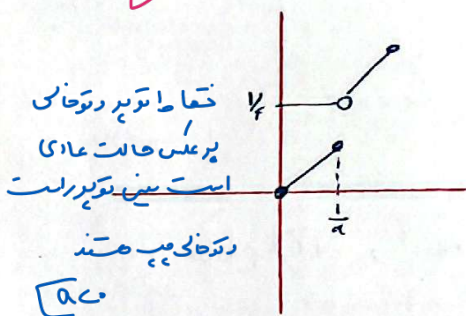
$$f\left(\frac{x}{r} + 1\right) = f\left(\frac{1}{r}(x+r)\right) \quad R \neq ?$$

از این تابع تابع (1, 4, 28) است

$$-r, a \quad -1 \leq y \leq r \rightarrow -a \leq ry - r \leq 1 \xrightarrow{\text{تبدیل}} -a \leq ry - r \leq 1 \xrightarrow{\text{تبدیل}} -a \leq ry - r \leq 1 \xrightarrow{\text{تبدیل}} -a \leq ry - r \leq 1$$

$$Ry \in [1, \sqrt{5}]$$

$$(-r/a, r/a)$$



$$\lim_{n \rightarrow \infty} f_{(n)} = \frac{1}{a^r} \left[a \frac{1}{a} \right] = \frac{1}{a^r}$$

$$x \rightarrow 1/a^r$$

$$\rightarrow 1/a^r = 1/c \rightarrow a = \pm r \rightarrow a = r$$

$$\rightarrow \frac{1}{a} = b \Rightarrow b = 1$$

$$\rightarrow b = a = 1 - r = -1$$

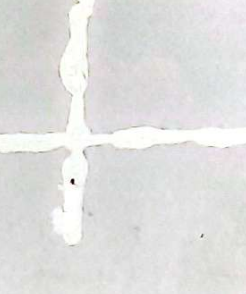
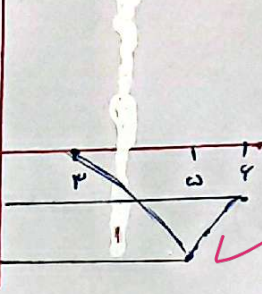
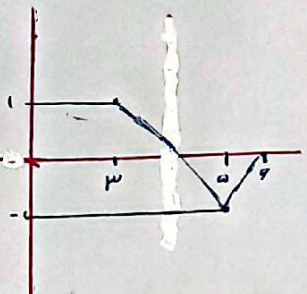
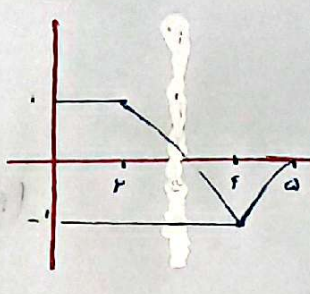
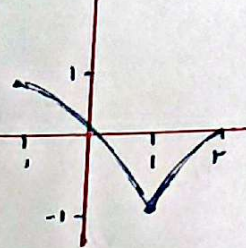
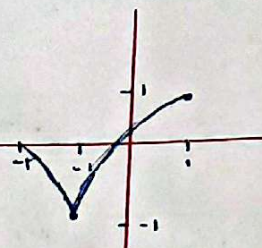
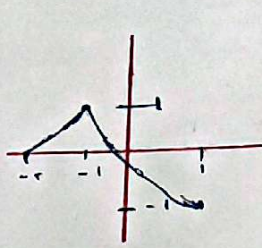
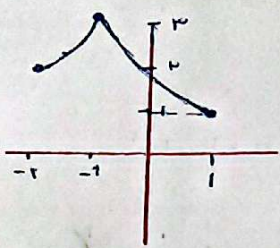
$$\log_r^a \rightarrow \log_r^{a+r} \rightarrow -\log_r^{a+r} \rightarrow -\log_r^{a+r} + r \rightarrow -\log_r^{a+r} + r$$

$$g(-1/r) = -\log_r^{1/r} + r = -1$$

$$g(-1/r) = -\log_r^{1/r} + r = -1 + r = -r$$

$$-1/r(x-r)^r + r = 0 \rightarrow -1/r(x-r)^r = -r \rightarrow (x-r)^r = 1$$

$$x-r = 1 \rightarrow x = r+1 \quad x-r = -1 \rightarrow x = r-1$$



$$f(x) = \left| \frac{x+1}{rx+1} \right| \rightarrow \left| \frac{(x-r)+1}{r(x-r)+1} \right| \rightarrow \left| \frac{(x-r)-1}{r(x-r)+1} \right| + 1$$

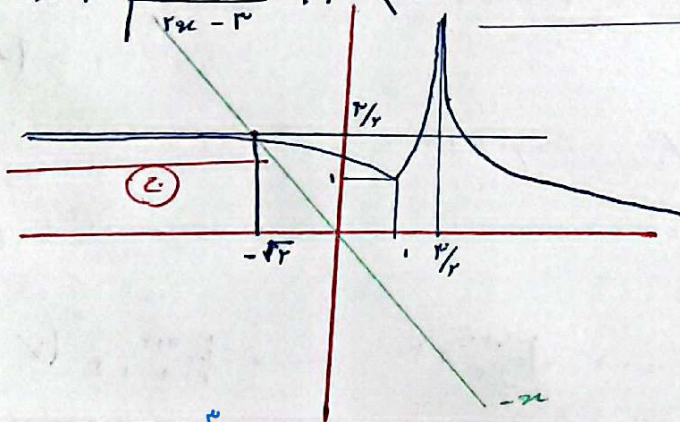
$$\left| \frac{x-r}{rx-r} \right| + 1 = g(x)$$

$$x + \left| \frac{x-r}{rx-r} \right| + 1 < 0$$

$$\rightarrow x + \frac{x-r}{rx-r} + 1 < 0 \rightarrow \frac{rx^2 - rx + x - r + rx - r}{rx-r} < 0$$

$$\frac{rx^2 - rx + x - r + rx - r}{rx-r} < 0 \rightarrow \frac{-\frac{\sqrt{2}}{r}}{2} + \frac{1/r}{2} + \frac{\frac{\sqrt{2}}{r}}{2}$$

$$x + \left| \frac{r-x}{rx-r} \right| + 1 < 0 \rightarrow \frac{rx^2 - rx + r - x + rx - r}{rx-r} < 0$$



حاصل $(-\infty, -\sqrt{2})$

$$\phi(x) = K(x-r) + r \rightarrow K \leq \frac{r}{x} \rightarrow 0 \leq \phi(x) \leq r \quad \phi(x) \rightarrow x \rightarrow 0$$

$$\sqrt{rn(\phi(x) - \phi(r))} = \sqrt{(\phi(x)(r - \phi(x)))}$$

$$\phi(x) \rightarrow r \rightarrow u = \frac{r}{x}$$

$[\frac{r}{x}, r]$

شکل هر عدد صحیح می باشد

