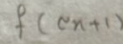
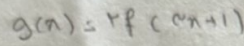


(سہ ماہی راد)

(ب)

④

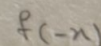
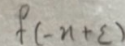
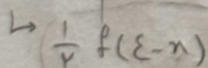
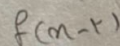
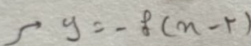


$$S = 0.6 \times 2.1$$

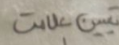
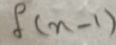


⑦

$$a = 4 - \Sigma = 4$$



④



$\begin{array}{ccccccc} & -2 & 0 & & 1 & & 2 \\ \hline - & | & + & | & - & | & + & | & - \end{array}$

$$f(n) = |2n-3|+1 \rightarrow \underbrace{|2n-3+k|+1-3}_{g(n)}$$

$$\rightarrow |2n-3|+1 = |2n-3+k|-2 \rightarrow \text{دری کردن}$$

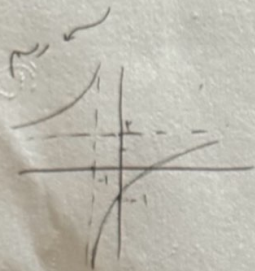
$$|-3|+1 = |-3+k|-2 \rightarrow k = |k-3|-2 \rightarrow 4 = |k-3|$$

$$k-3=4 \rightarrow k=7$$

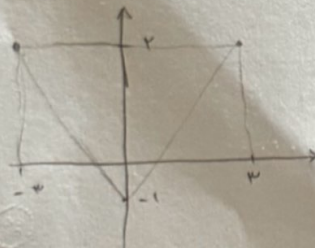
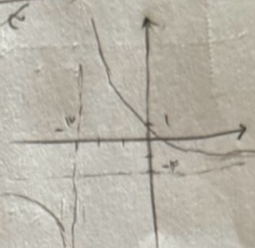
$$3-k=4 \rightarrow k=-1$$

$$k > 0$$

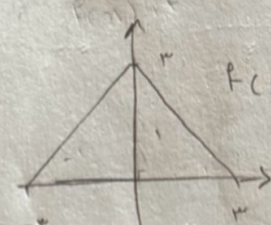
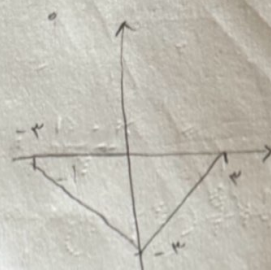
$$f(n) = \frac{2n-1}{n+1} \xrightarrow{\text{تقسیم}} - \frac{2n-1}{n+1} \xrightarrow{\text{تقسیم}} - \frac{\frac{2}{n}-1}{\frac{1}{n}+1} \Rightarrow \frac{1-\frac{2}{n}}{1+\frac{1}{n}} = \frac{1-\frac{2}{n}}{\frac{n+1}{n}} = \frac{(1-\frac{2}{n}) \cdot n}{n+1} = \frac{n-2}{n+1}$$



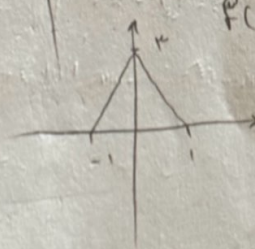
با توجه به نمودار



$$-f\left(\frac{n}{p}\right)$$

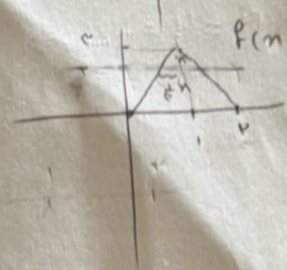


$$f(n)$$



$$S = \frac{\text{ارتفاع} \times \text{طول}}{2}$$

$$\frac{\frac{1}{p} \times 1}{2} = \left(\frac{1}{p}\right)$$



$$\frac{(a-2)(a-2)}{2} + \frac{f \times 1}{2} = \frac{a}{2} \rightarrow (a-2)^2 + 1 = a$$

$$\rightarrow (a-2)^2 = 1 \rightarrow a-2 = 1 \rightarrow a = 3 \rightarrow |x-3|-2$$

$$|\frac{1}{p}-3|-2$$

$$|\frac{1-a}{a}|-2$$

$$= \frac{1}{p} - \frac{a}{p} = \left(\frac{1-a}{p}\right)$$