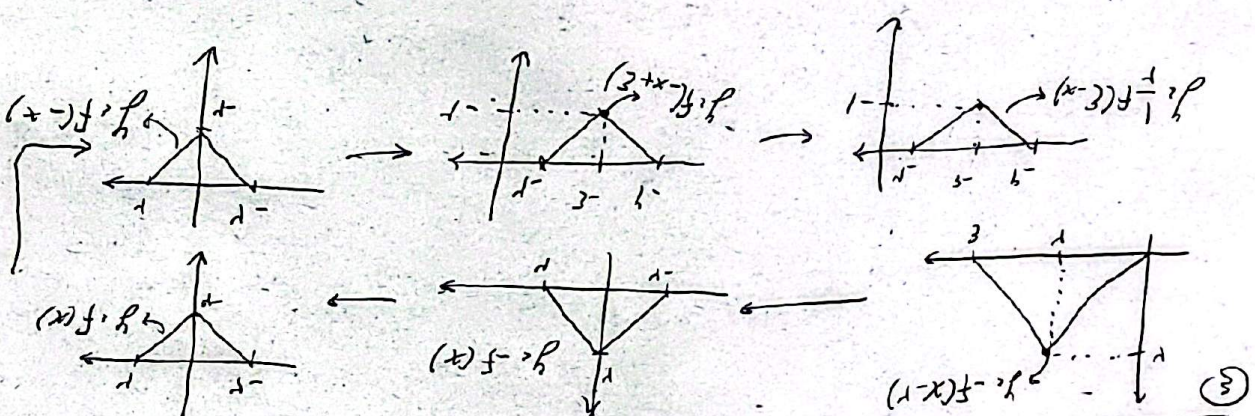
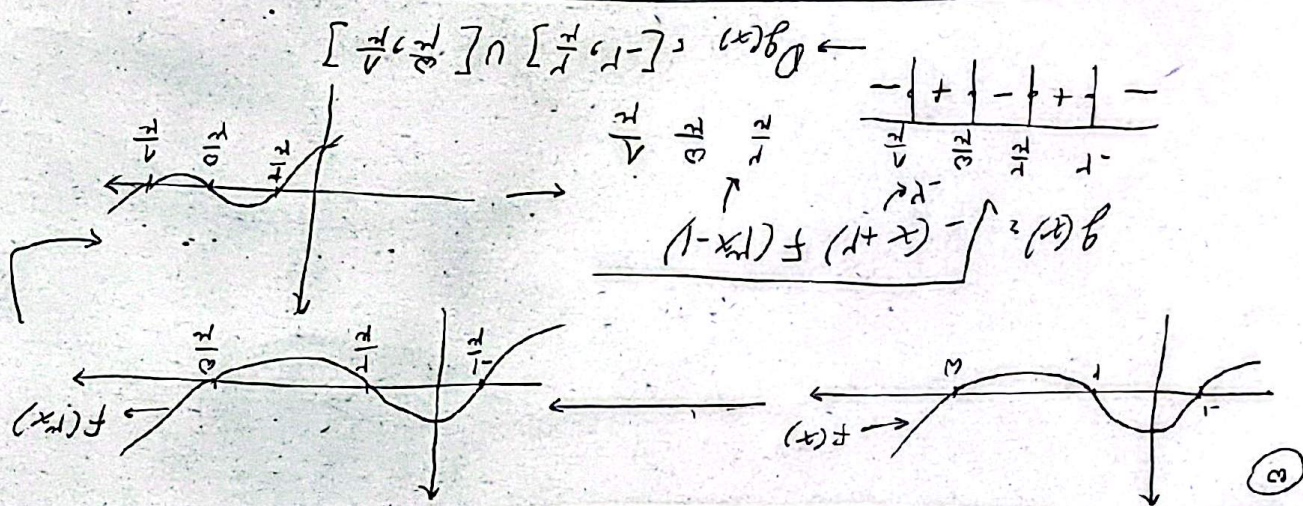
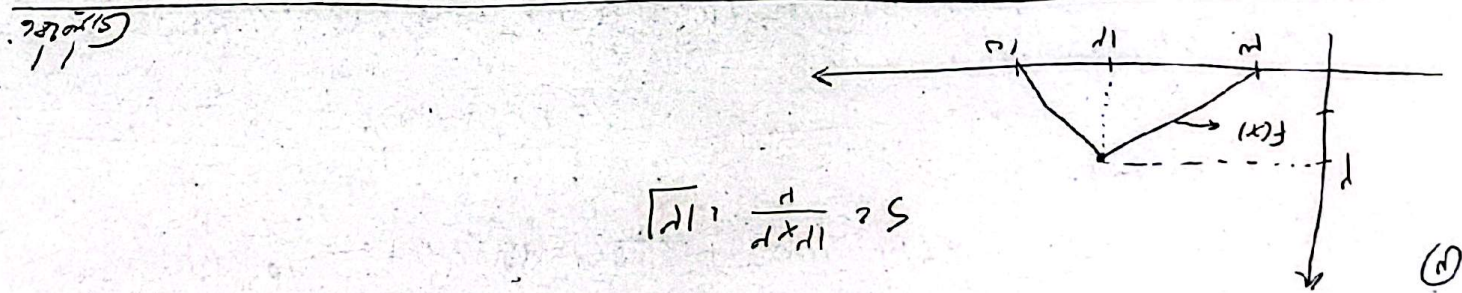


$$\begin{aligned} & \{ (1,1), (2,1), (3,1), (4,1) \} \rightarrow f(x) = 1 \\ & \{ (1,2), (2,2), (3,2), (4,2) \} \rightarrow f(x) = 2 \\ & \{ (1,3), (2,3), (3,3), (4,3) \} \rightarrow f(x) = 3 \\ & \{ (1,4), (2,4), (3,4), (4,4) \} \rightarrow f(x) = 4 \end{aligned}$$

$$\begin{aligned} & f = \{ (1,1), (2,1), (3,1), (4,1) \} \rightarrow f(x) = 1 \\ & f = \{ (1,2), (2,2), (3,2), (4,2) \} \rightarrow f(x) = 2 \end{aligned}$$



$$\begin{aligned} & f(x) = |x| \rightarrow f(x) = |x| \\ & g(x) = -|x| \rightarrow g(x) = -|x| \end{aligned}$$



$$\begin{aligned} & f(x) = |x| \rightarrow f(x) = |x| \\ & g(x) = -|x| \rightarrow g(x) = -|x| \end{aligned}$$

$$f(x) = |x| \rightarrow f(x) = |x|$$

$$\textcircled{1} f(x) = \begin{cases} 1-x & x \geq 0 \\ 1+x & x < 0 \end{cases}$$

$$\textcircled{2} f(x) + f(r) = \begin{cases} 1-x+r & x \geq r \\ f(x) + f(r) & x < r \end{cases} \rightarrow f(x+r) = \begin{cases} 1-x+r & x \geq r \\ f(x) + f(r) & x < r \end{cases}$$

$$\textcircled{3} f(x) + \varepsilon = \begin{cases} 1-x & x \geq \varepsilon \\ f(x) + \varepsilon & x < \varepsilon \end{cases} \rightarrow f(x+\varepsilon) = \begin{cases} 1-x & x \geq \varepsilon \\ f(x) + \varepsilon & x < \varepsilon \end{cases}$$

$$\textcircled{4} f(x) + f(r) = \begin{cases} 1-x+r & x \geq r \\ f(x) + f(r) & x < r \end{cases} \rightarrow f(x+r) = \begin{cases} 1-x+r & x \geq r \\ f(x) + f(r) & x < r \end{cases}$$