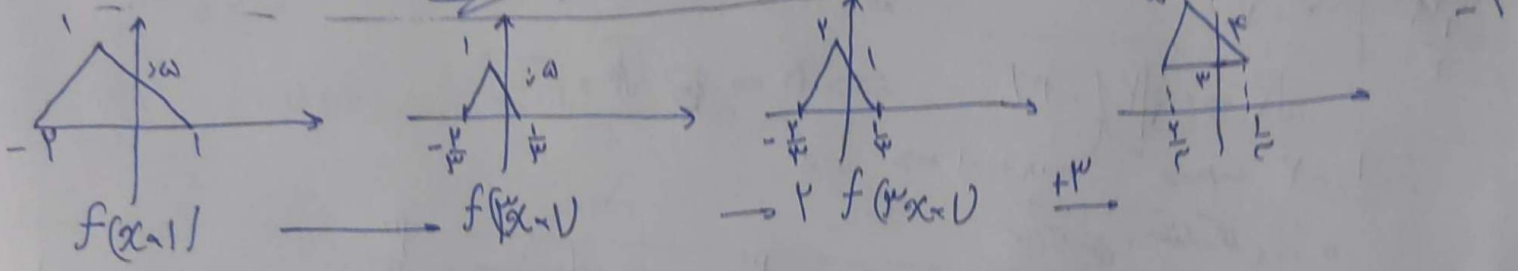


1 $-1 \leq \frac{3x-2}{\omega} \leq 1 \rightarrow -1 \leq 3x-2 \leq 1 \rightarrow -1 \leq 3x \leq 3 \rightarrow -\frac{1}{3} \leq x \leq 1 \rightarrow [-\frac{1}{3}, 1]$ آرین حاجی پور

2 $f(3x-2) \Rightarrow Df \rightarrow [-1, 1]$
 $Df \rightarrow [-1, 1]$

3 $f(3x-2) \Rightarrow Df(x) = [-1, 1]$
 $Df(x) = [-1, 1]$
 $Df(2-\omega x): -1 \leq 2-\omega x \leq 1 \rightarrow -3 \leq -\omega x \leq 1 \rightarrow \frac{3}{\omega} \geq x \geq \frac{1}{\omega}$



4 $f(3x-2) \rightarrow f(x) = 1 - |x|$
 $1 \leq 3x-2 \leq \omega \rightarrow 3 \leq 3x \leq \omega+2 \rightarrow 1 \leq x \leq \frac{\omega+2}{3}$
 $-1 \leq 3x-2 \leq 1 \rightarrow -1 \leq 3x \leq 3 \rightarrow -\frac{1}{3} \leq x \leq 1$
 $Df' = \frac{1}{\omega} \geq x \geq -1$
 $f(x) = 1 - |x|$
 $f(3x-2) = 1 - |3x-2|$
 $f(x) = 1 - |x|$
 $f(3x-2) = 1 - |3x-2|$

5 $\frac{1}{\omega} = \frac{1}{\omega} \Rightarrow \frac{1}{\omega} = \frac{1}{\omega} \Rightarrow \frac{1}{\omega} = \frac{1}{\omega}$
 $\frac{1}{\omega} = \frac{1}{\omega} \Rightarrow \frac{1}{\omega} = \frac{1}{\omega}$
 $\frac{1}{\omega} = \frac{1}{\omega} \Rightarrow \frac{1}{\omega} = \frac{1}{\omega}$

6 $f(3x-2) \rightarrow 3x-2 = 1 \Rightarrow x = \frac{1}{3} \Rightarrow \alpha\beta = \frac{1}{3}$
 $f(1) = 1 \Rightarrow 1-2x^2 = -1 \Rightarrow x^2 = 1 \Rightarrow x = \pm 1$

7 $Df \rightarrow [a, b] \rightarrow Df(x) = [a, b]$
 $Df \rightarrow [a, b] \rightarrow Df(x) = [a, b]$
 $Df \rightarrow [a, b] \rightarrow Df(x) = [a, b]$

