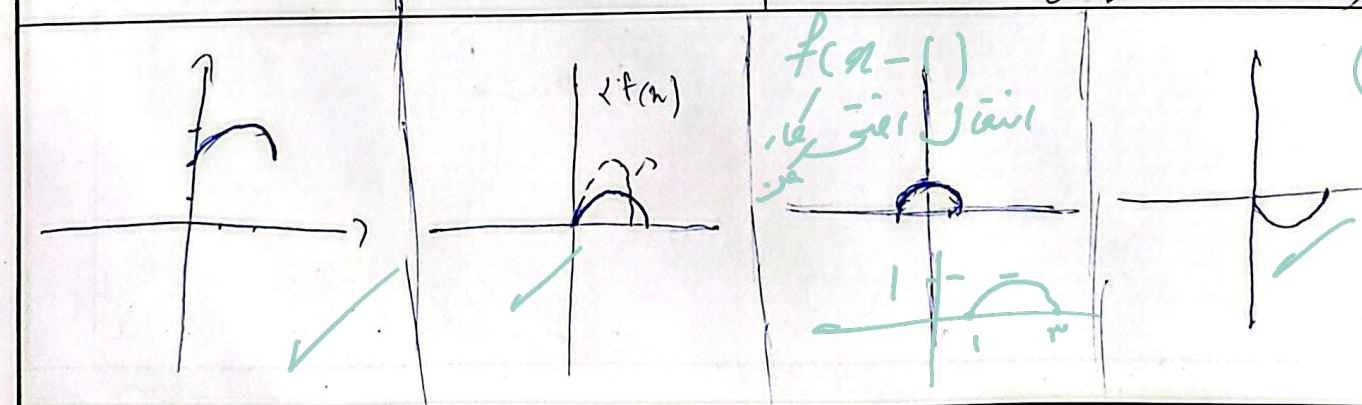
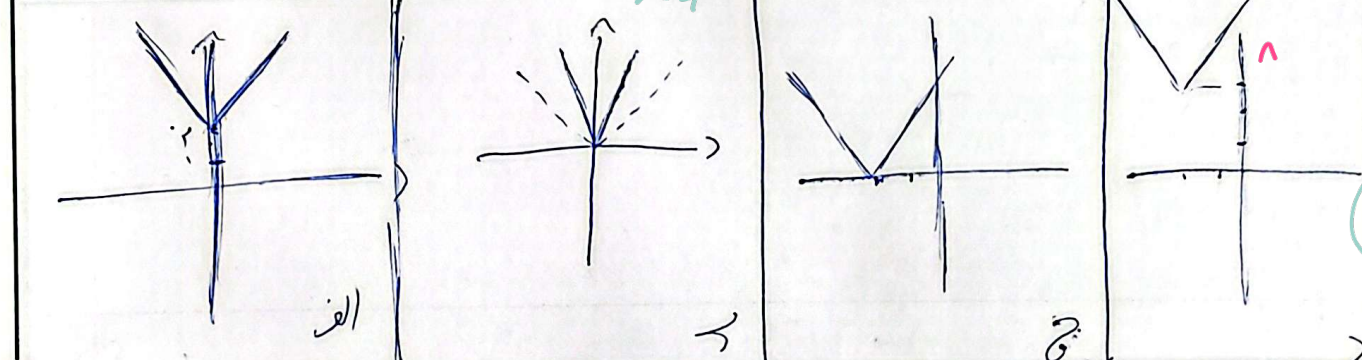


الف) فقط یک بار $n \in \mathbb{R}$ تابع است $y^2 - n = 2n^2 \Rightarrow y^2 = 2n^2 + n \Rightarrow y = \sqrt{2n^2 + n}$
 ب) تابع نیست $|y| + n^2 = n + 2 \Rightarrow |y| = n + 2 - n^2$
 ج) تابع است $y = \pm(n + 2 - n^2)$
 د) $\sqrt{2n^2 - 4} + |y - 2| = 0 \Rightarrow y = 2, n = \pm 1$
 هـ) $n = \cos y$ تابع است

الف) $n = -4 \rightarrow \frac{n+4}{n^2-4n} \rightarrow \frac{-4}{16+16} = -\frac{1}{8}$
 $n = 4 \rightarrow \frac{n+4}{n^2-4n} \rightarrow \frac{8}{16-16} \rightarrow \infty$
 ب) $n = -4 \rightarrow \frac{n+4}{n^2-4n} \rightarrow \frac{0}{16+16} = 0$
 $n = 4 \rightarrow \frac{n+4}{n^2-4n} \rightarrow \frac{8}{16-16} \rightarrow \infty$
 ج) $n = -4 \rightarrow \frac{n+4}{n^2-4n} \rightarrow \frac{0}{16+16} = 0$
 $n = 4 \rightarrow \frac{n+4}{n^2-4n} \rightarrow \frac{8}{16-16} \rightarrow \infty$
 د) $n = -4 \rightarrow \frac{n+4}{n^2-4n} \rightarrow \frac{0}{16+16} = 0$
 $n = 4 \rightarrow \frac{n+4}{n^2-4n} \rightarrow \frac{8}{16-16} \rightarrow \infty$

الف) $y = \sqrt{4-n} + \sqrt{n-2} \rightarrow 4-n \geq 0 \rightarrow n \leq 4$
 $n-2 \geq 0 \rightarrow n \geq 2$
 ب) $y = \frac{n+1}{n^2+1}$ تابع نیست $\rightarrow \emptyset$
 ج) $y = \frac{\sqrt{n-2}}{n-4} \rightarrow n-2 \geq 0 \rightarrow n \geq 2$
 $n-4 \neq 0 \rightarrow n \neq 4$
 د) $y = \frac{2n+2}{n^2+2n}$ تابع نیست $\rightarrow \emptyset$



$$y = (n-1)(n-2)(n-3)$$

الف

110

$$y = (n-1)(n-2)(n-3)$$

الف

$$\frac{(n-1)(n-2)}{n^2 - 3n + 2}$$

الف

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$$\frac{(n-1)(n-2)}{(n-1)^2}$$

تبيين دلايل فاردين

$$\frac{n^2 - 3n + 2}{n^2 - 3n + 2}$$

$$\frac{(n-1)^2 (n+2)}{(n+2)^2}$$

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$$\frac{n^2 - 3n + 2}{n^2 - 3n + 2}$$

$$\frac{(n-1)(n-2)}{(n-1)(n-2)}$$

$$\frac{n^2 - 3n + 2}{n^2 - 3n + 2}$$

$$\frac{-1}{+0-0+}$$

الف

2

$$y = \frac{n^2 - 3n + 2}{n^2 - 3n + 2}$$

$$y = \sqrt{\frac{n^2 - 1}{n^2 - n}} \rightarrow n^2 - 1 > 0 \rightarrow n^2 > 1 \rightarrow n > 1$$

الف

1

$$y = \sqrt{\frac{n^2 - 14}{n^2 - 12n + 4}} \rightarrow n^2 - 14 > 0 \rightarrow n^2 > 14 \rightarrow n > 4$$

الف

1