

نعم و نعم خلاق آدمی، امیر علی ہمدانی

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3. संज्ञा

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2.

یہی دروازہ صحت! $n =$ عبارتِ بنابر اس



$$D_f = (-\infty, -1] \cup (1, \infty)$$

2.

$$D_g = [2, \cancel{3}, 4, 5]$$

4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	

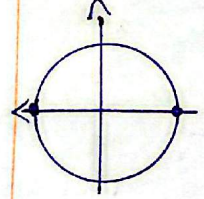
$$x^2 - 2x - 2 > 0 \Rightarrow x < -1 \text{ or } x > 3$$

$$D_1 = \left[\frac{-2 \pm \sqrt{4 + 8}}{2} \right] = [-1, 3]$$

$$x^2 - 2x - 2 > 0 \Rightarrow x < -1 \text{ or } x > 3$$

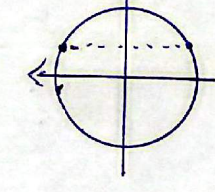
$$x^2 - 2x - 2 > 0 \Rightarrow x < -1 \text{ or } x > 3$$

$$D_2 = (-\infty, -1) \cup (3, \infty)$$



$$\cos x = 0 \Rightarrow x = \frac{\pi}{2} + k\pi \text{ or } x = \frac{3\pi}{2} + k\pi$$

الف

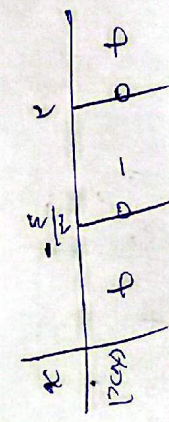


$$\cos x = 1 \Rightarrow x = 2k\pi$$

$$x^2 - 2x - 2 > 0 \Rightarrow x < -1 \text{ or } x > 3$$

$$D_3 = \left[\frac{2 \pm \sqrt{4 + 8}}{2} \right] = [1, 3]$$

$$x^2 - 2x - 2 > 0 \Rightarrow x < -1 \text{ or } x > 3$$



$$D_4 = \left[\frac{2 \pm \sqrt{4 + 8}}{2} \right] = [1, 3]$$

$$x^2 - 2x - 2 > 0 \Rightarrow x < -1 \text{ or } x > 3$$

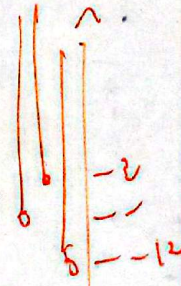
$$D_5 = (-\infty, -1) \cup (3, \infty)$$

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مصفیٰ ہندی ہیں!

وقت صبا بین ہوا۔ است بہ نامداد عفتی مرشد

$$D_6 = \left[\frac{2 \pm \sqrt{4 + 8}}{2} \right] = [1, 3]$$

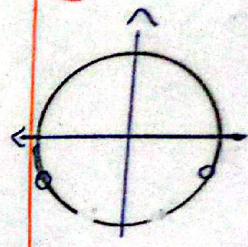


$$D_7 = \left[\frac{2 \pm \sqrt{4 + 8}}{2} \right] = [1, 3]$$

$$x^2 - 2x - 2 > 0 \Rightarrow x < -1 \text{ or } x > 3$$

$$x^2 - 2x - 2 > 0 \Rightarrow x < -1 \text{ or } x > 3$$

$$D_8 = \left[\frac{2 \pm \sqrt{4 + 8}}{2} \right] = [1, 3]$$



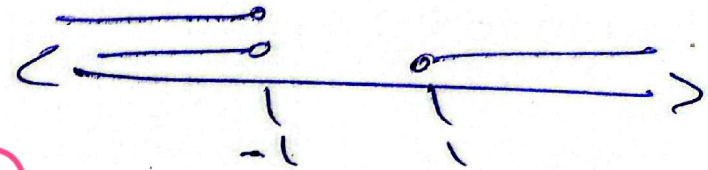
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$$\frac{x-1}{x+1} > 0 \quad \begin{array}{c|cc} x & -1 & 1 \\ \hline p(x) & + & - \end{array} \Rightarrow x < -1, x > 1$$

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$$\log_{10} \frac{x-1}{x+1} > 0 \Rightarrow \frac{x-1}{x+1} > 1 \Rightarrow \frac{x-1-x-1}{x+1} > 0 \Rightarrow \frac{-2}{x+1} > 0$$

$$\begin{array}{c|c} x & -1 \\ \hline p(x) & - \end{array} \Rightarrow x < -1$$



$$D_1 = (-\infty, -1]$$

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ج- ٣) $\frac{(n^2-1)(n^2-n^2)}{(n^2-1)} \geq 0 \rightarrow \frac{(n-1)(n+1)(n^2)(n-1)}{(n-1)(n^2+n+1)} \geq 0$

Δ roots: $-1, 0, 1, 3$
 $\Delta < 0$ (no real roots)
 $D_f = (-\infty, -1] \cup \{0\} \cup [3, +\infty)$

٩) $\log_{\Delta} \log_{\Delta}^{n-1} \rightarrow n-1 > 0 \rightarrow n > 1$

$\log_{\Delta}^{n-1} > 0 \rightarrow n-1 > 0 \rightarrow n-1 > 1 \rightarrow n > 2$

$\log_{\Delta} \log_{\Delta}^{n-1} \geq 0 \xrightarrow[\text{منه!}]{\text{من بابي هـ د ا}} \log_{\Delta}^{n-1} \leq 1 \rightarrow \log_{\Delta}^{n-1} \leq 1 \rightarrow n-1 \leq \Delta \rightarrow n \leq 4 \rightarrow n \leq 3$

$\hookrightarrow D_f = (1, 3]$