

۱۵،۵

اضافه‌های

$$\{(1, 2), (1, 4), (2, 0), (2, 4)\}$$

$$A \times B = \{(1, 2), (1, 4), (2, 2), (2, 4)\}$$

$$B \times B = \{(2, 2), (2, 4), (4, 2), (4, 4)\}$$

$$m^2 - m - 2 = 0 \Rightarrow m = -1 \text{ یا } m = +2$$

$$m^2 - m - 2 = 0 \Rightarrow m = -1 \text{ یا } m = +2$$

$$n = K \Rightarrow 2K - 2 = 4 - 2K \Rightarrow 4K = 6 \Rightarrow K = \frac{3}{2}$$

$$n = 1 \Rightarrow a + b = 0$$

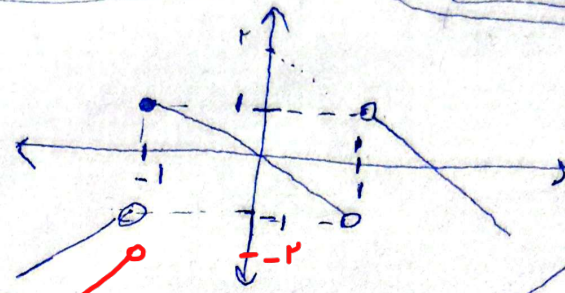
$$n = 2 \Rightarrow 2a + b = 1$$

$$\Rightarrow a = 1, b = -1$$

$$\Rightarrow ab = -1$$

$$D_f = \mathbb{R} - \{1\}$$

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



$$y_1^r = \frac{-1 - \pi^r}{r}$$

$$y_r^r = \frac{-1 - \pi^r}{r} \Rightarrow y_1 = y_r \Rightarrow y_1 = y_r$$

$$n^2 - 2n + 1 + 4y^r - 12n + 9 = (n-1)^2 + (4y^r - 8n + 8) = 0$$

$$n = 0 \text{ rad} \Rightarrow 0 \times \sin y = y \times 0$$

$$\frac{x}{y} + \frac{y}{x} + 2 = 4 \Rightarrow \frac{x^2 + y^2}{xy} = 2 \Rightarrow x^2 - 2xy + y^2 = 0$$

$$\Rightarrow (x - y)^2 = 0 \Rightarrow x = y$$

$$\frac{1}{x} + \frac{1}{y} + 2 = 4 \Rightarrow \frac{1}{x} + \frac{1}{y} = 2$$

$$n_1, n_2 \in [0, \sqrt{2} - \sqrt{1}] \Rightarrow \sqrt{n} \leq \sqrt{2} \Rightarrow n \leq 2$$

$$\Rightarrow [0, 2]$$

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$$\sqrt{(n-1)(n-4)}$$

(1, 25)

$$+ \frac{1}{x} - \frac{4}{x} +$$

$$+ \frac{1}{x} - \frac{4}{x} +$$

$$\sqrt{(n-2)(n-8)}$$

$$n - 10n + 14 = -9n + 14 \rightarrow n < \frac{14}{9}$$

$$\rightarrow D_f = (-\infty, 1] \cup (14, +\infty)$$

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

$$\sqrt{\frac{(n-1)(n-4)}{(n-2)(n-8)}}$$

$$+ \frac{1}{x} - \frac{4}{x} + \frac{1}{x} - \frac{4}{x} +$$

$$\rightarrow (-\infty, 1] \cup (14, +\infty)$$

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$$P=4 \rightarrow +2x+2 \rightarrow x \frac{1}{x} \rightarrow +1x+\frac{2}{x}$$

$$g=-\infty$$

(0, 5)

$$+ \frac{1}{x} - \frac{4}{x} +$$

-10

$$P=4 \rightarrow +1x+4 \rightarrow x \frac{1}{x} \rightarrow \frac{1}{x} + \frac{4}{x}$$

$$g=0$$

1, 25

$$+ \frac{1}{x} - \frac{4}{x} +$$

$$+ \frac{1}{x} - \frac{4}{x} +$$

$$\Rightarrow D_f = (-\infty, \frac{1}{x}) \cup (2, +\infty)$$

$$D = (-\infty, 1) \cup [\frac{2}{x}, +\infty)$$

الف) سته قبل قبلی

$$+ \frac{1}{x} - \frac{4}{x} + \frac{1}{x} - \frac{4}{x} +$$

$$\Rightarrow (-\infty, \frac{1}{x}) \cup [1, 14]$$

$$\cup (2, +\infty)$$

$$+ \frac{1}{x} - \frac{4}{x} + \frac{1}{x} - \frac{4}{x} +$$

$$D = (-\infty, 1) \cup (1, \frac{2}{x}) \cup [\frac{2}{x}, +\infty)$$