

بر مبنای کتب در دسترس

الف) $\sqrt{\cos n + 1} \neq 0 \rightarrow \sqrt{\cos n} \neq -1 \rightarrow \cos n \neq -\frac{1}{4}$

$D_f = \mathbb{R} - \left\{ 2k\pi + \frac{3\pi}{2}, 2k\pi + \frac{5\pi}{2} \right\}$



-1

ب) $\cos n - 1 \neq 0 \rightarrow \cos n \neq 1$

$D_f = \mathbb{R} - \{ 2k\pi \}$



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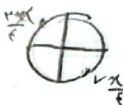
الف) $\tan n = \frac{\sin n}{\cos n} \rightarrow \cos n \neq 0$



-2

$\tan n + 1 \neq 0 \rightarrow \tan n \neq -1$

$D_f = \mathbb{R} - \left\{ k\pi + \frac{\pi}{4}, k\pi - \frac{\pi}{4} \right\}$



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ب) $\cot n = \frac{\cos n}{\sin n} \rightarrow \sin n \neq 0$



$\cot n - 1 \neq 0 \rightarrow \cot n \neq 1$

$D_f = \mathbb{R} - \left\{ k\pi, k\pi + \frac{\pi}{4} \right\}$



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الف) $-1 \leq \sin n \leq 1 \rightarrow -1 \leq x \leq 1 \rightarrow 1 \leq x \leq \sqrt{3} \rightarrow -1 \leq x \leq -\sqrt{3}$

$D_f = [-\sqrt{3}, -1] \cup [1, \sqrt{3}]$

-3

ب) $-1 \leq \sqrt{n} \leq 1 \rightarrow \sqrt{n} \leq 1 \rightarrow 0 \leq n \leq 1$

$D_f = [0, 1]$

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الف) $-1 \leq |n| \leq 1 \rightarrow -1 \leq n \leq 1 \rightarrow -1 \leq n \leq 1$

$D_f = [-1, -1] \cup [1, 1]$

-4

ب) $-1 \leq n^2 + 2n + 1 \leq 1 \rightarrow n^2 + 2n + 1 \leq 1 \rightarrow n(n+2) \leq 0$

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

$-1 \leq n^2 + 2n + 1 \rightarrow 0 \leq n^2 + 2n + 2$

$\frac{-1}{1} - \frac{1}{1}$

$D_f = [-2, -1] \cup [-1, 0]$



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$$\begin{array}{c} -x \quad x \\ \hline + \quad - \quad + \end{array}$$

$$D_f = (-r, r)$$

$$D_f = (r, \omega) - \{c\}$$

$$\begin{array}{r} 1 1 \\ \times 1 1 \\ \hline 1 1 \\ 1 1 \\ \hline 1 2 1 \end{array}$$

$$\begin{array}{c} 1 \\ - \mid + \end{array}$$

$$D_f = \{(x, y) \in \mathbb{R}^2 : y = f(x)\}$$

$$D_f = (r, 10]$$

$$D_f \subset (\sqrt{r}, +\infty)$$

$$D_f \approx R$$

$$D_f = R - \{ \frac{1}{4} \}$$

$$\log_{10} R - \log_{10} r$$

$$D_f = \{n \mid n = \frac{\kappa-1}{\varepsilon}, \kappa \in W\}$$

$$D_f = \{x \mid x = \frac{aK-y}{K-y}, K \in u\}$$