

$$D_f = [-12, 3) \quad \text{الف)}$$

$$D_f = [2, 12) \quad \text{ب)}$$

$$D_f = [\sqrt{2}, -\sqrt{2}] \quad \text{الف)}$$

$$D_f = (-\infty, -3] \cup [3, +\infty) \quad \text{ب)}$$

$$D_f = \mathbb{R} - \{3, -3\} \quad \text{الف)}$$

$$D_f = [0, 9) \cup (9, \infty) \quad \text{ب)}$$

$$D_f = [-3, 3] \quad \text{الف)}$$

$$D_f = [-2, -1) \cup (-1, 1) \cup (1, 2] \quad \text{ب)}$$

$$D_f = (0, \infty) \quad \text{الف)}$$

$$D_f = (0, \infty) \quad \text{ب)}$$

$$D_f = (-\infty, 3)$$

(الف)

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$$D_f = (-\infty, 2)$$

(ب)

$$D_f = (-\infty, 0) \cup [1, \infty)$$

(الف)

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$$D_f = \mathbb{R}$$

(ب)

$$D_f = [\frac{1}{2}, \infty)$$

(الف)

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$$D_f = \{k + \frac{1}{2} \mid k \in \mathbb{Z}\}$$

(ب)

$$D_f = \mathbb{R} - \left\{ \frac{(2k+1)\pi}{2} \mid k \in \mathbb{Z} \right\}$$

(الف)

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$$D_f = \mathbb{R} - \left(\left\{ \frac{k\pi}{2} \right\} \cup \left\{ -\frac{\pi}{2} + k\pi \right\} \right)$$

(ب)

$$D_f = \left[\frac{\pi}{4} + 2k\pi, \frac{5\pi}{4} + 2k\pi \right]$$

(الف)

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$$D_f = \left[\frac{\pi}{2} + 2k\pi, \frac{3\pi}{2} + 2k\pi \right]$$

(ب)