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حاصل نیست

$$D_f = [-5, 0] \cup [2, 5]$$

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جواب کامل نیست

$$D_f = (-3, 0) \cup (0, 2) \Rightarrow -2, -1, 1 \Rightarrow 3 \text{ عدد صحیح}$$

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$$f(2) - 2f(2) = 4 + 4 = 2 \Rightarrow -f(2) = 2$$

$$f(-2) - 2f(2) = 4 + 4 + 4 = 12$$

$$\Rightarrow f(-2) + 4 = 12 \Rightarrow f(-2) = 8$$

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$$f(1) = 5$$

$$f(5) = 2, f(2) = 7$$

$$\Rightarrow 7 + 2 = 9$$

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if $n=1 \Rightarrow f(0) - f(1) = 1$ if $n=-1 \Rightarrow f(-2) - f(-1) = -1$

if $n=0 \Rightarrow f(-1) - f(0) = 2$

$$\Rightarrow f(-1) - f(1) = 1 \Rightarrow (a+b+2) - (a-b+2) = 1$$

$$= 2b = 1 \Rightarrow b = \frac{1}{2}$$

$$f(-2) - f(0) = 2 \Rightarrow (a+2b+2) - 2 = -2$$

$$\Rightarrow a+2b = -2 \Rightarrow a+1 = -2 \Rightarrow a = -3 \Rightarrow a-b = 1.5 = -3$$

$$\text{if } n = \sqrt{3} - 1 \Rightarrow n^2 + 1n = 1 - (\sqrt{3} + 1) + 1 - \sqrt{3} - 1 = -1$$

$$\frac{-1 + \sqrt{3}}{-1 + \sqrt{3}} = \frac{1}{1}$$

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

$$\Rightarrow f(-1) = 4 + 1 = 11$$

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الف) $\left\{ \left(0, \frac{0}{3}\right), \left(1, \frac{-4}{\sqrt{11}}\right), \left(2, \frac{0}{\sqrt{5}}\right), \left(3, \frac{1}{\sqrt{10}}\right) \right\}$

ب) $\left\{ \left(0, \frac{0}{0}\right), \left(1, \frac{\sqrt{11}}{-4}\right), \left(2, \frac{\sqrt{5}}{0}\right), \left(3, \frac{\sqrt{10}}{1}\right) \right\}$

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الف) $\left\{ (-5, 4), (1, -4), (2, 2), (3, 1) \right\}$

ب) $\left\{ (-5, 3), (1, -1), (2, 2), (3, 5) \right\}$

ج) $\left\{ (-5, 13), (1, 13), (2, 4), (3, 14) \right\}$

د) $\left\{ \left(\frac{-5}{2}, 2\right), \left(\frac{1}{2}, -2\right), (1, 1), \left(\frac{3}{2}, 4\right) \right\}$

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الف) $\left\{ (1, 4), (2, 2), (3, 2) \right\}$

ب) $\left\{ \left(1, \frac{4}{9}\right), (2, 9), \left(3, \frac{2}{-1}\right) \right\}$

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