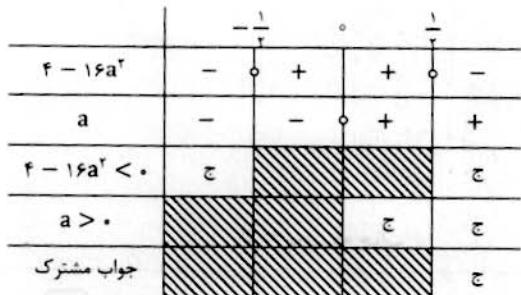


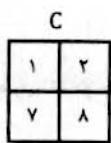
$$\left\{ \begin{array}{l} \Delta < 0 \\ a > 0 \end{array} \right. \Rightarrow f - 16a^2 < 0 \Leftrightarrow \frac{(-8x^2)x -}{1+2x+x^2} < \frac{(1+2x+x^2)(x-2x^2)}{(1+2x+x^2)} \Leftrightarrow x < \frac{(1-x)x}{(1+2x+x^2)(1-x)}$$



$$D_g = [-3, 2] \cup [4, +\infty) \text{ با توجه به نمودار } f(x) \geq 0 \text{ باید داشته باشیم.}$$

پاسخ ایستگاه فکر

۴-



A

۹	۳	۶
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$$f = x \quad \therefore x = mx + x - x \quad \therefore x = (mx + x - x)(1+x)$$

$$f = mx \quad \therefore x = (mx)(1-x) = mx - mx^2$$

۵-

$$x < x - 7x - \therefore x + 7x < x + x - 7x \Leftrightarrow \{x\} \leq \{x\}$$



$(x, -) = \text{شیخ}$

۶-

$$(7-x)ab = (7-x)(a-x)b = (7x-x)(7x-x)b = (x)$$

$$\frac{7}{x} - = 0 \Leftrightarrow (7-x)(7-x)b = 0 \Leftrightarrow 0 = (7-x)$$