

نام و نام خانوادگی آدرس شماره کلاس A

$$f = \{(1, f(a)), (1, a^2+3), (2, 3a)\}$$

$$f(a) = a^2 + 3$$

$$a^2 - f(a) + 3 = 0$$

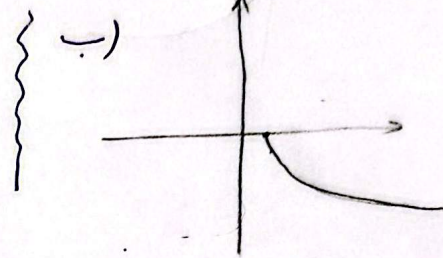
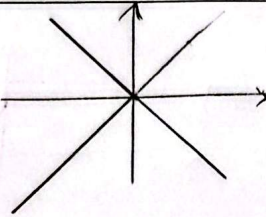
هر دو وجهی داریم
ب جای a قرار بگذاریم

$$a^2 - a^2 + 3 = 0$$

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$$|x| = |y| \text{ (الف)}$$

$$|x| + \sqrt{x-1} = 0 \text{ (ب)}$$



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$$|y-1| = \sqrt{x-2} \text{ (الف)}$$

$$x=2 \Rightarrow |y-1| = 0 \Rightarrow y=1$$

$$\sin^2 x + \cos^2 \frac{y}{2} = 1$$

$$x=3 \Rightarrow \frac{1}{4} + \cos^2 \frac{y}{2} = 1$$

$$y^5 - y = \frac{x^2}{2} \quad x=0 \Rightarrow y^5 - y = 0$$

$$2xy = x$$

$$x=0 \Rightarrow \text{معادله باقی می ماند}$$

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$$x^2 + |y-1| = 4 \text{ (الف)}$$

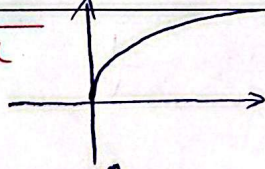
$$x=2 \Rightarrow 4 + |y-1| = 4 \Rightarrow |y-1| = 0 \Rightarrow y=1$$

$$y^5 + 3x = 0 \text{ (ب)}$$

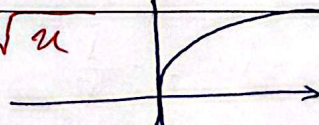
$$\begin{cases} y_1^5 + 3x_1 = 0 \\ y_2^5 + 3x_2 = 0 \end{cases} \Rightarrow x_1 = x_2 \Rightarrow y_1^5 = y_2^5 \Rightarrow y_1 = y_2$$

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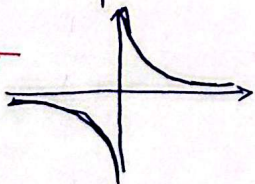
$$y = \sqrt[4]{x} \text{ (الف)}$$



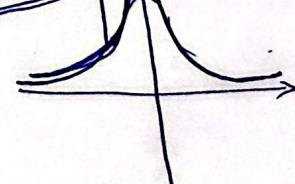
$$y = \sqrt{x} \text{ (ب)}$$



$$y = \frac{1}{x^3} \text{ (ج)}$$



$$y = \frac{1}{x^4} \text{ (د)}$$



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