

$$f_2 \{ (b^4 a), (1 + a^2 + 3) \circ (b^3 a) \}$$

$$4a^2 a^2 + 3 \rightarrow a^4 + 3 - 4a = 0$$

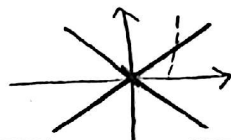
$$(a-1)(a-3) = 0$$

$$\Rightarrow a = \underline{1 \text{ و } 3}$$

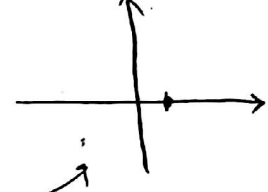
برای تابع بودن

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$$|g| = |x|$$



تابع نیست



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$$|g| + \sqrt{x-1} = 0$$

$$\Rightarrow |g| = 0 \text{ و } \sqrt{x-1} = 0 \rightarrow x=1$$

شما جواب پس تابع می باشد

$$|g-1| = \sqrt{x-2} \quad x=3 \rightarrow |g-1|=1 \Rightarrow g=2 \text{ و } 0$$

تابع نیست

$$g^2 - g = \frac{x}{2} \quad x=0 \rightarrow g^2 - g = 0 \rightarrow g(g-1) = 0 \Rightarrow g=0 \text{ و } 1$$

تابع نیست

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$$\sin^2 x + \cos^2 x = 1 \quad x=0 \rightarrow \sin^2 0 + \cos^2 0 = 1$$

$$\sin^2 0 = 0 \Rightarrow \cos^2 0 = 1 \Rightarrow \cos 0 = \pm 1 \Rightarrow x = 0, \pi, 2\pi, \dots$$

تابع نیست

$$x^2 + |g-1| = x \rightarrow |g-1| = x - x^2 \quad x=0 \rightarrow |g-1|=0 \Rightarrow g=1$$

تابع نیست

$$g^2 + 3x = 0 \rightarrow g_1^2 + 3x_1 = 0 \quad x_1 = 2x_2 \quad g_1 = g_2$$

$$g_2^2 + 3x_2 = 0 \rightarrow g_2 = g_1$$

تابع نیست

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$$g = \sqrt{x} \rightarrow$$

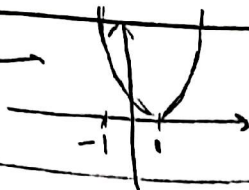
$$g = \frac{1}{x^2} \rightarrow$$

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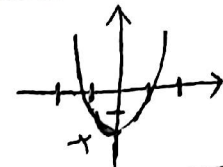
$$g = \frac{1}{x^2} \rightarrow$$

$$g = \sqrt{x} =$$

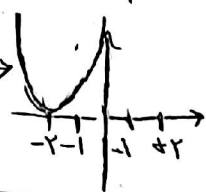
$$y = (x-1)^2$$



$$y = x^2 - 1$$



$$y = (x+1)^2$$



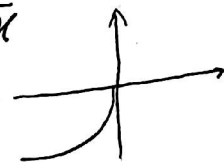
$$y = x^2 + 1$$



$$y = -\sqrt{x}$$



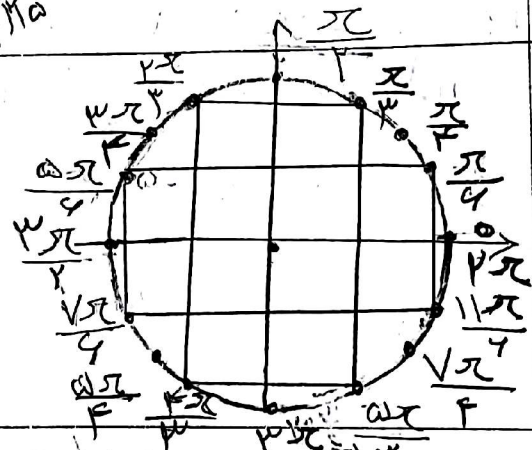
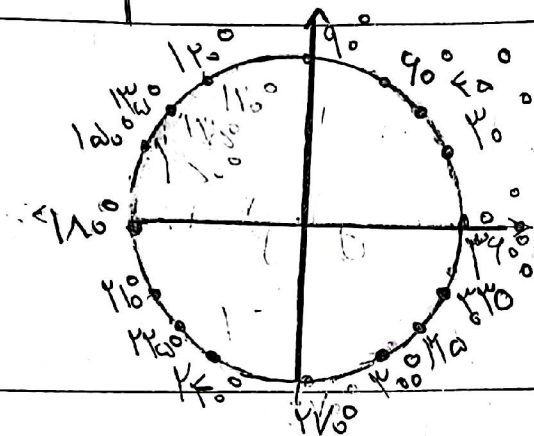
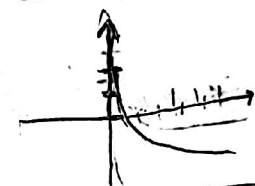
$$y = -\sqrt{-x}$$



$$y = \sqrt{-x}$$



$$y = -\sqrt{x} + 1$$



$$\cos 120^\circ = -\frac{1}{2}$$

$$\cos \frac{5\pi}{3} = +\frac{1}{2}$$

$$\sin 120^\circ = \frac{\sqrt{3}}{2}$$

$$\sin \frac{11\pi}{6} = -\frac{1}{2}$$