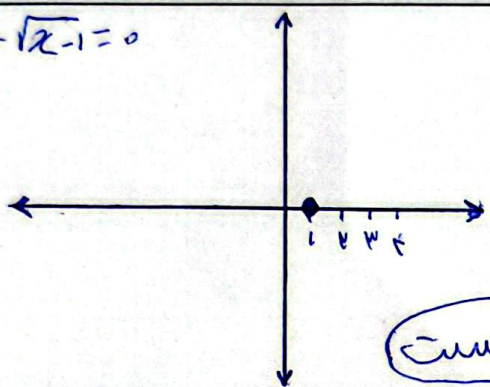


$$f = \{(1, 2a), (1, a^2+3), (1, 3a)\}$$

$$\Rightarrow 2a = a^2 + 3 \Rightarrow a^2 - 2a + 3 = 0 = (a-1)(a-3) = 0$$

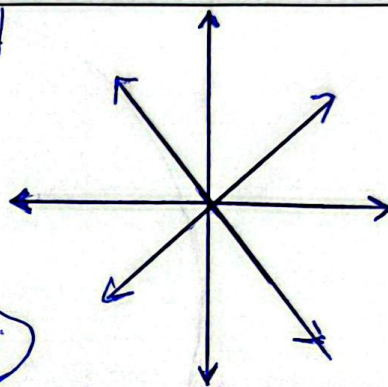
$$\Rightarrow a = 1 \text{ و } a = 3$$

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



تابع نیست

$$|y| = |x|$$



تابع نیست

$$\sin^2 x + \cos^2 \frac{y}{2} = 1 \Rightarrow \cos^2 \frac{y}{2} = 1 \Rightarrow y = 0 \text{ و } y = \pm 2\pi$$

$$|y-1| = \sqrt{2-x} \Rightarrow |y-1| = 2 \Rightarrow y = 3 \text{ و } y = -1$$

$$2xy = x \Rightarrow y = \mathbb{R}$$

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

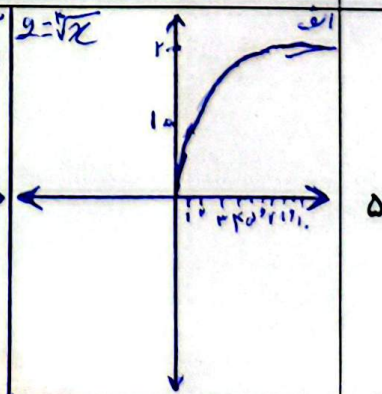
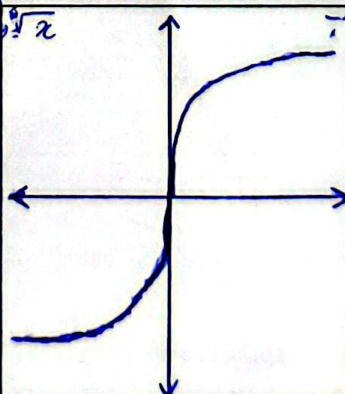
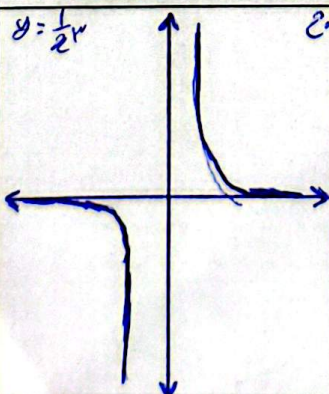
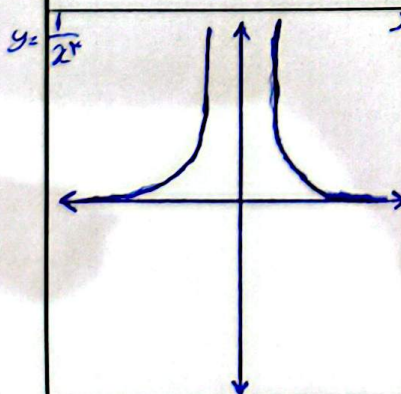
$$y^2 + 3x = 0 \Rightarrow y^2 = -3x \Rightarrow y = \pm \sqrt{-3x}$$

فقط یک y وجود دارد

تابع نیست

$$x^2 + |y-1| = 2x \Rightarrow |y-1| = 2-x \Rightarrow y = 1 \pm \sqrt{2-x}$$

تابع نیست



الف	$y = (x-1)^2$		6
ب	$y = (x+1)^2$		
ج	$y = x^2 - 2$		
د	$y = x^2 + 1$		
هـ	$y = -\sqrt{x}$		7
و	$y = -\sqrt{-x}$		
ز	$y = \sqrt{-x}$		
ح	$y = \sqrt{x}$		
ط			8
ي	$\sin 10^\circ = \left(\frac{1}{2}\right)$	$\cos 110^\circ = \left(-\frac{1}{2}\right)$	9
10	$\sin \frac{11\pi}{9} = \sin 110^\circ = \left(-\frac{1}{2}\right)$	$\cos \frac{5\pi}{9} = \cos 110^\circ = \left(-\frac{1}{2}\right)$	10