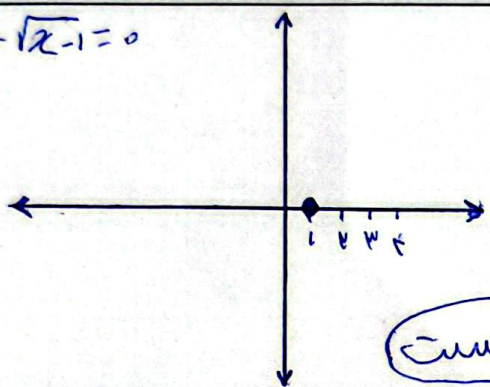


$$f = \{(1, 2a), (1, a^2+3), (1, 3a)\}$$

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

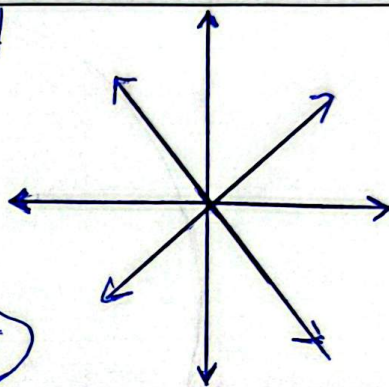
$$\Rightarrow a = 1 \text{ و } a = 3$$

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



تابع مست

$$|y| = |x|$$



تابع نیست

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

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

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

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

$$y^2 + 3x = 0$$

$$= y^2 = -3x$$

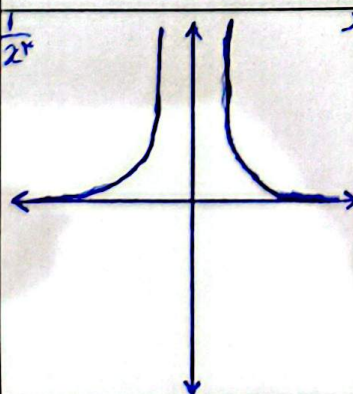
$$= y = \pm \sqrt{-3x} \rightarrow \text{فقط یک } y \text{ وجود دارد}$$

$\Rightarrow$ تابع مست

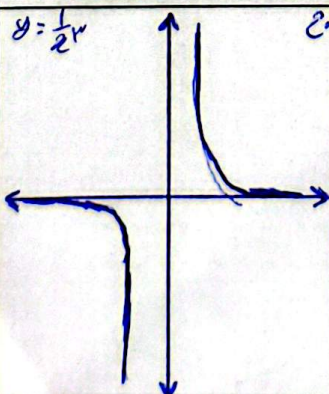
$$x^2 + |y-1| = 2x \Rightarrow |y-1| = 2-x \Rightarrow y = 1 \text{ و } y = 1-x$$

$\Rightarrow$ تابع نیست

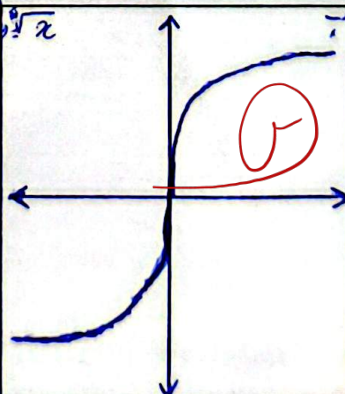
$$y = \frac{1}{2x}$$



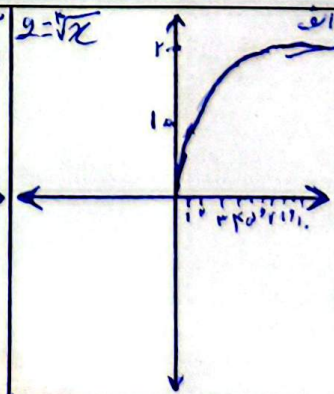
$$y = \frac{1}{2x}$$



$$y = \sqrt{x}$$



$$y = \sqrt{x}$$



الف	$y = (x-1)^2$		6
ب	$y = (x+1)^2$		7
ج	$y = x^2 - 2$		8
د	$y = x^2 + 1$		9
هـ	$y = -\sqrt{x}$		10
و	$y = -\sqrt{-x}$		11
ز	$y = \sqrt{-x}$		12
ح	$y = \sqrt{x}$		13
ط			14
ي			15
ك	$\sin 10^\circ = \left(\frac{1}{2}\right)$		16
ل	$\cos 14^\circ = \left(-\frac{1}{2}\right)$		17
م	$\sin \frac{11\pi}{9} = \sin 140^\circ = \left(-\frac{1}{2}\right)$		18
ن	$\cos \frac{5\pi}{6} = \cos 150^\circ = \left(-\frac{1}{2}\right)$		19