

$$4a = a^2 + 3 \Rightarrow a^2 - 4a + 3 = 0, \quad a + c + b = 0$$

$$\frac{c}{a}, 1, 3, 1$$

۱

$$y = |x| \rightarrow \text{الف) } y = |x| \rightarrow \text{ب) } y = |x| \rightarrow \text{ج) } y = |x|$$

$$|y| = -\sqrt{x-1} = \text{د) } |y| = -\sqrt{x-1}$$

۲

$$|y-1| = \sqrt{x-2} \Rightarrow x=3, \quad |y-1| = 1 = \sqrt{2}, 0 \quad \text{الف) } X$$

$$y^2 - y = \frac{x}{2} \Rightarrow x=0, \quad y^2 - y = 0 \Rightarrow 1, -1, 0 \quad \text{ب) } X$$

$$\sin^2 x + \cos^2 y = 1 \Rightarrow x=0, \quad \cos^2 y = 1 \Rightarrow y = \pm \frac{\pi}{2} \quad \text{ج) } X$$

$$x y = x \Rightarrow x=0 \Rightarrow y = \mathbb{R} \quad \text{د) } X$$

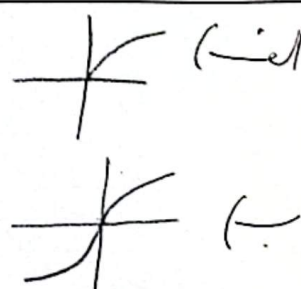
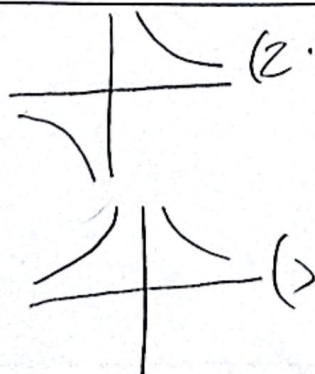
۳

$$x^2 + |y-1| = 4x \Rightarrow 1 + |y-1| = 4 \Rightarrow |y-1| = 3 \quad \text{الف) } X$$

$$\Rightarrow -2, 4$$

۴

$$y^2 + 3x = 0 \Rightarrow x_1 = x_2 \Rightarrow y_1 = y_2 \Rightarrow y = y \quad \text{ب) } \checkmark$$



۵

	٦
	٧
	٨
	٩
	١٠