

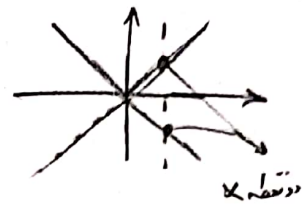
نام و نام خانوادگی پاسخنامه تشریحی تکلیف شماره ۲ کلاس دهم ریاضی

$$(1, fa) = (1, a^2 + 3) \rightarrow fa = a^2 + 3$$

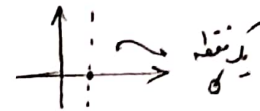
$$\rightarrow a^2 + 3 - fa = 0 = (a-1)(a-3) = 0$$

$$\Rightarrow \begin{cases} a-1=0 : a=1 \\ a-3=0 : a=3 \end{cases} \Rightarrow \boxed{a=1 \text{ یا } 3}$$

الف: $|y| + |x| - y = \pm \frac{|m|}{\pm 1} \rightarrow (\pm \frac{1}{1})$ تابع پست



ب: $|y| + \sqrt{x-1} = 0 \rightarrow \begin{cases} + + - = 0 \\ - + - = 0 \end{cases} \Rightarrow \begin{cases} x=1 \\ y=0 \end{cases}$ تابع هت $m=1$



الف: $x=6 : y=(-1, 3) \Rightarrow$ تن

ب: $x=0 : y=(-1, 0, 1) \Rightarrow$ تن

ج: $x=0 : y = (\cos y)^2 = 4 \rightarrow$ تن

د: $x=0 : y = \{a, b, c, \dots\} (R) \Rightarrow$ تن

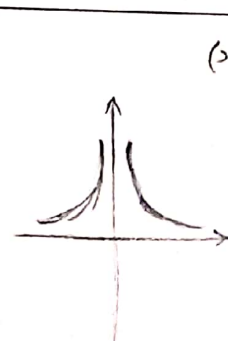
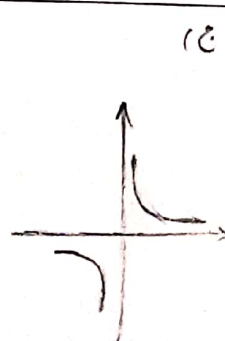
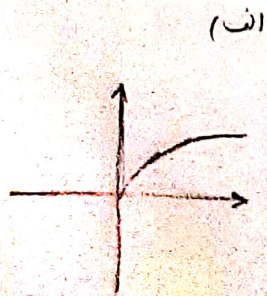
الف) $x:1 \rightarrow 1 + |y-1| = 4$

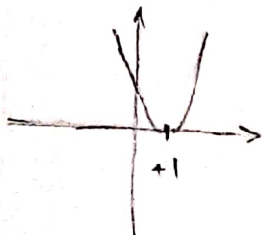
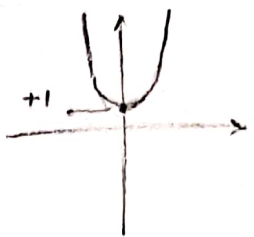
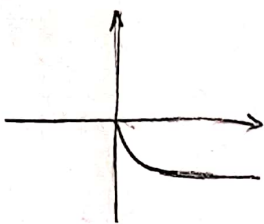
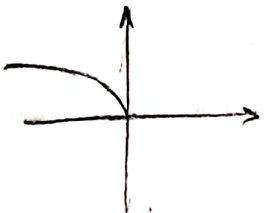
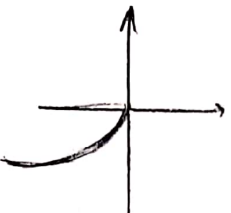
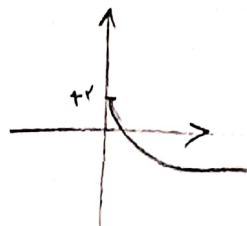
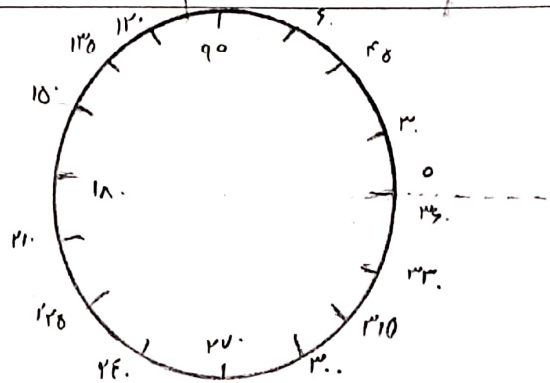
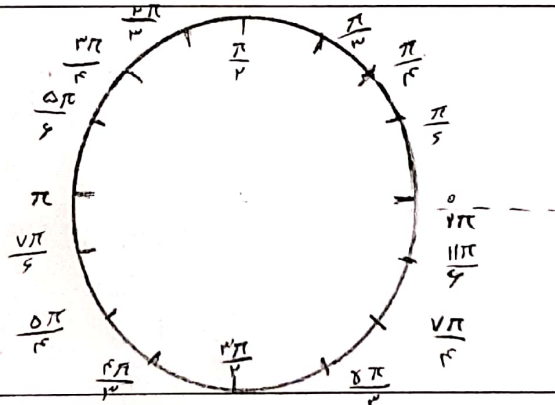
$\rightarrow |y-1| = 3 \Rightarrow y-1 = \pm 3 \Rightarrow y = 4, -2 \Rightarrow$ تابع پست

ب) $x:0 \rightarrow y^5:0 \rightarrow \sqrt{y}=0$

$x:1 \rightarrow y^5:-3 \rightarrow \sqrt{y}=\sqrt{-3}$

$x:2 \rightarrow y^5:-4 \rightarrow y=\sqrt[5]{-4}$
 $x:-1 \rightarrow y^5:3 \rightarrow y=\sqrt[5]{3}$ } تابع هت



(الف) 	(ب) 	(ج) 	(د) 	٦
(ان) 	(ب) 	(ج) 	(د) 	٧
				٨
				٩
ا) $\cos 120^\circ = -\frac{1}{2}$ 	ب) $\sin 150^\circ = \frac{1}{2}$ 			١٠
ج) $\cos \frac{2\pi}{3} = -\frac{1}{2}$ 	د) $\sin \frac{11\pi}{6} = -\frac{1}{2}$ 			