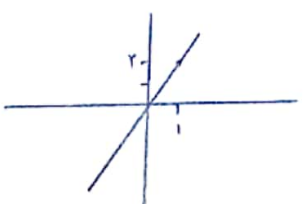
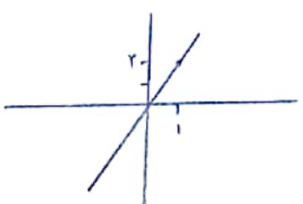
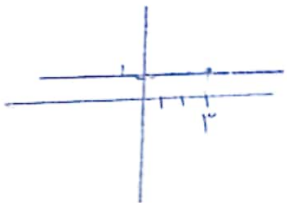
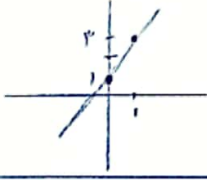
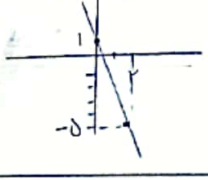
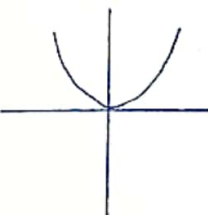
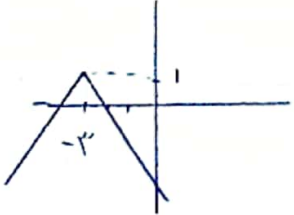
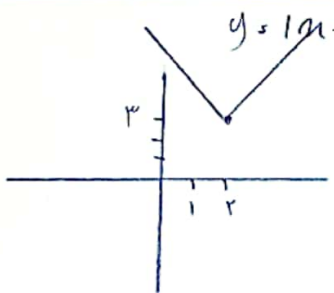
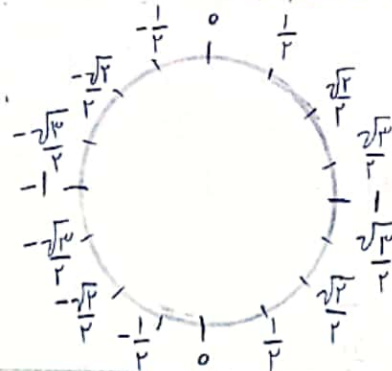


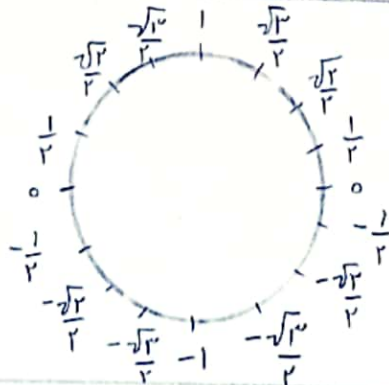
نام و نام خانوادگی (پسار/دختر) پاسخنامه تشریحی تکلیف شماره ۳ کلاس آفرین

الف) $y^2 - m^2$ $y_1^2 - m^2, y_2^2 - m^2$ y_1^2, y_2^2, y_3^2 تابع	ب) $ y + 3 = x + 3$ $ y = x$ $y = \pm x$ تابع نیست	ج) $\sqrt{x^2 - 4} + y - 2 = 0$ $\sqrt{x^2 - 4} = 0, x = \pm 2$ $ y - 2 = 0, y = 2$ تابع	د) $\cos y$ $\cos y = 0$ $y = 90^\circ, 270^\circ$ تابع نیست	۱
الف) $y = ax + b$ $y = 2x + 1$ 	ب) $y = 2x + b$ $b = 0$ 	الف) $y = 1$ 		۲
ب) $y = mx + \sqrt{a^2 + b^2}$ $a = -1, b = 5$ $\frac{-b}{a} = 1, \frac{-a}{b} = 2$ $x + 2y = 1$ $-x + 1 = 5$ $x = -4$ $-4 + (-1) + b = 1$ $-5 + b = 1$ $b = 6$	الف) $y = mx + b$ $a = 1, b = 0$ $x + 2y = 1$ $1 + 0 = 1$	۳		۳
الف) $y = x^2 + 1$ $y_1 = 1, y_2 = 3$ 	ب) $y = -x^2 + 1$ $y_1 = 1, y_2 = -5$ 	ج) $y = x^2$ 	د) $y = x^3$ 	۴
ب) $y = - x + 3 + 1$ 	الف) $y = x - 2 + 3$ 			۵

الف) $\frac{n+f}{n^2-fn}$ $n^2-fn=0$ $n(n-f)=0$ $n=0 \quad \mathbb{R}-\{0, f\}$ $n-f=0 \quad n=f$	ب) $\frac{n+f}{n^2-va+1f}$ $\Delta < 0 \quad b^2-fan$ $\mathbb{R}$ $19-6f-18$	ج) $y, \frac{n+f}{n^2+an+f}$ $\Delta < 0 \quad \mathbb{R}$ b^2-fan $1-19-10$	د) $\frac{n+f}{n^2-fn^2}$ $n^2(n^2-f)=0$ $n^2=0 \quad n=0$ $n^2=f \quad n=\pm\sqrt{f}$ $\mathbb{R}-\{0, -\sqrt{f}, \sqrt{f}\}$	6
الف) $y, \sqrt{6-n} + \sqrt{n-2}$ $6-n \geq 0 \quad n \leq 6$ $n-2 \geq 0 \quad n \geq 2$ $2 \leq n \leq 6$ $[2, 6]$	ب) $\frac{1+n+1}{n^2+1}, y$ $n^2+1 \neq 0 \quad n^2 \neq -1$ $\mathbb{R}$	ج) $\frac{\sqrt{n-2}}{n-f}, y$ $n-2 \geq 0 \quad n \geq 2$ $n-f \neq 0 \quad n \neq f$ $[2, +\infty) - \{f\}$	د) $\frac{1+n+1}{ n +n^2}, y$ المرور صفر باسند بزرگ صفری سبز $n \neq 0$ $\mathbb{R}-\{0\}$	7



8



9

$$\cos \frac{2\pi}{3} = -\frac{1}{2}$$

$$\sin \frac{\pi}{6} = \frac{1}{2}, \sin \frac{5\pi}{6} = \frac{1}{2}$$

الف)

$$\cos \frac{11\pi}{6} = \frac{\sqrt{3}}{2}$$

$$\sin \frac{4\pi}{3} = -\frac{\sqrt{3}}{2}, \sin \frac{2\pi}{3} = \frac{\sqrt{3}}{2}$$

ب)

10