

نام و نام خانوادگی: امیر ستاره ... پاسخنامه تشریحی تکلیف شماره ۳ ... کلاس: A

الف) $y^2 - x = 2x^2$

ب) $|y| + x^2 = x + 3$

میان تقصیر
 $x_0 = -4$

$|y| + 12 = -1$

غیر ترانه منفی
 $|y| \rightarrow$

ج) $\sqrt{x-4} + |y-2| = 0$

د) $x = \cos y$

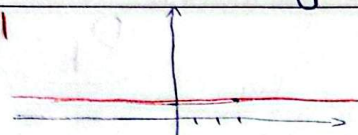
$x = \frac{1}{y}$

$y = \begin{cases} 2k\pi + \frac{\pi}{6} \\ 2k\pi + \pi - \frac{\pi}{6} \end{cases}$

$\sqrt{x-4} + |y-2| = 0$

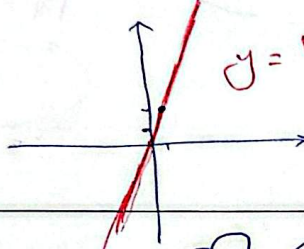
$|y-2| \rightarrow$ مین

الف) $y=1$



ب)

$2 = 2 + b \rightarrow 0$



$y=2x$

الف)

$y = ax + b$ جاننی $a=1$
 $b=0$



ب)

$2 = \frac{-b}{a}$

$2 \rightarrow \ominus \rightarrow (-4) = a$

$y = a^2 - 4x + b$

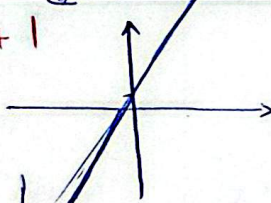
$1 = 2 - 1 + b$

$0 = b$

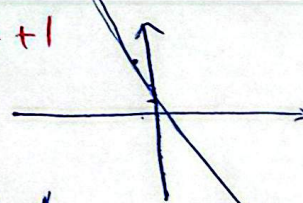
الف: $y = -4x$

$a = -4$ مین x $(+1)$ $y = -4x + 1$

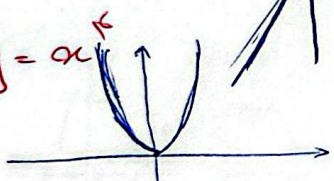
الف) $y = 2x + 1$



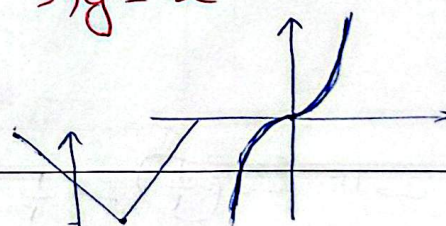
ب) $y = -3x + 1$



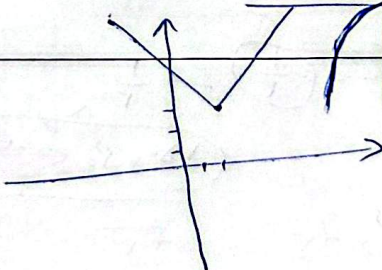
ج) $y = x^2$



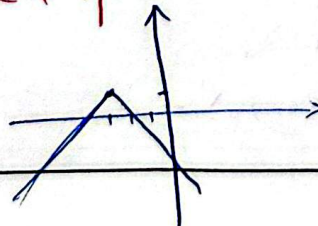
د) $y = x^3$



الف) $y = |x-2| + 3$



ب) $y = -|x+3| + 1$



$$D_f = [-f, 0) \cup (f, +\infty)$$

$$D_f = \mathbb{R}$$

الف) $y = \frac{x+f}{x^2(x-f)^2 - f^2}$

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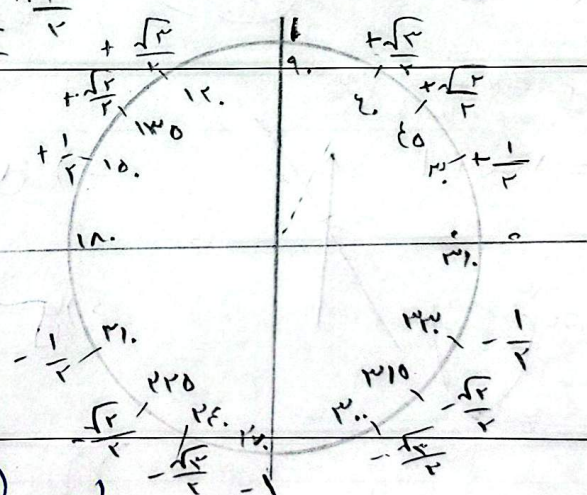
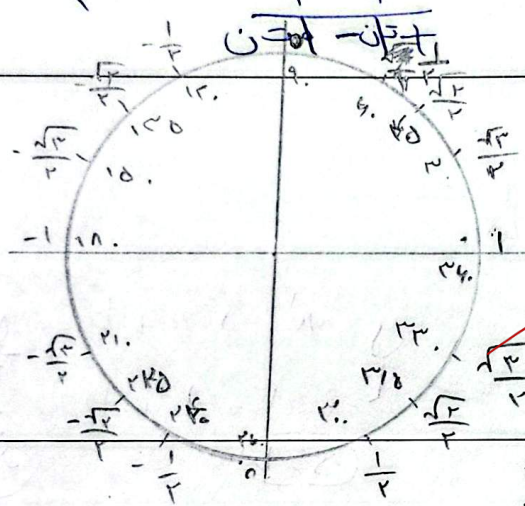
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الف) $\frac{2\pi}{3} \rightarrow 120^\circ \rightarrow \cos \left(\frac{2\pi}{3} \right) \rightarrow -\frac{1}{2}$

ب) $\frac{11\pi}{4} \rightarrow 330^\circ \rightarrow \cos \left(\frac{11\pi}{4} \right) \rightarrow \frac{\sqrt{3}}{2}$

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