

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

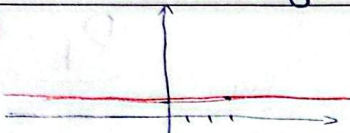
الف) $y^2 - x = 2x^2$

ب) $|y| + x^2 = x + 3$
 $|y| + 12 = -1$
 $x = -4$
 غیر تعریف شده

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

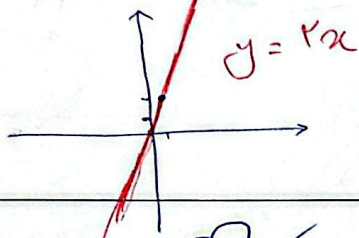
د) $x = \cos y$
 $x = \frac{1}{y}$
 $y = \frac{1}{x}$
 $\{2k\pi + \frac{\pi}{6}, 2k\pi + \frac{5\pi}{6}\}$

الف) $y = 1$



ب)

$2 = 2 + b \rightarrow 0$



الف)

$y = ax + b$ جانمی $a = 1$
 $b = 0$



ب)

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

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

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

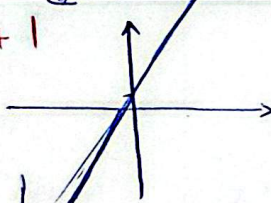
$1 = 2 - 1 + b$

$0 = b$

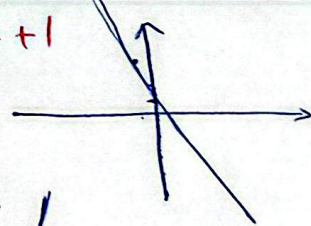
الف) $y = 2x + 1$

$a = 1$
 $b = 0$

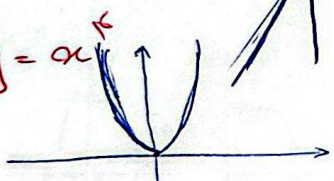
الف) $y = 2x + 1$



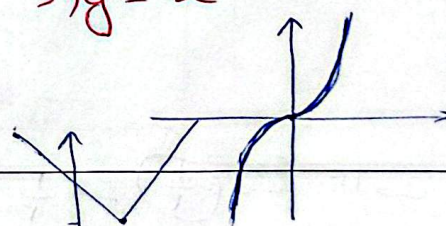
ب) $y = -3x + 1$



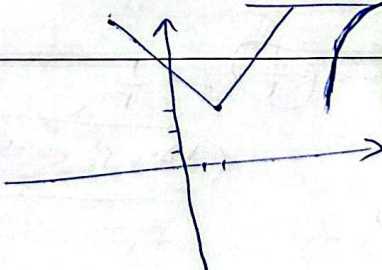
ج) $y = x^2$



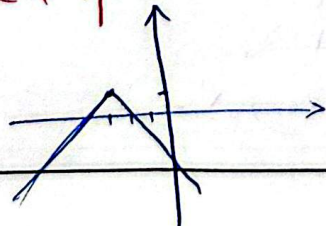
د) $y = x^3$



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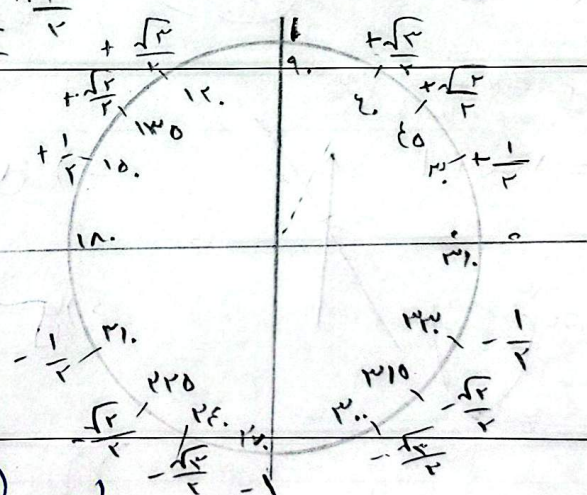
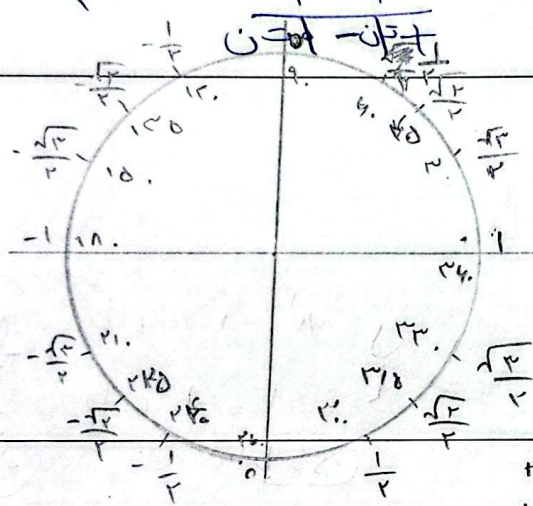
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الف) $\frac{2\pi}{3} \rightarrow 120^\circ \rightarrow \cos \left(\frac{2\pi}{3} \right) \rightarrow -\frac{1}{2}$

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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