

نام و نام خانوادگی آریانی پاسخنامه تشریحی تکلیف شماره ... ۸ ... کلاس بار (م) سیر A

$$f(x) = \{(-1, 0), (2, 1)\} \longrightarrow f(x) = \{(-1, 0), (2, 3)\}$$

$$g(x) = \{(-1, 2), (2, 0)\}$$

$$g(x) - f(x) = \{(-1, 2), (2, -3)\}$$

$$-3 + 2 = -1$$

$$2x - 1 \xrightarrow{(1)} \infty \rightarrow R_f = [4, +\infty)$$

$$\frac{1}{3}x + 2 \xrightarrow{(2)} 1 + 2 = 3 \quad (-\infty, 3] \quad \cup \rightarrow (-\infty, 4] \cup [4, +\infty)$$

$$-\frac{x^2}{r} + x + r = \frac{r}{r} \quad \begin{matrix} \curvearrowright r \\ \curvearrowleft -1 \end{matrix} \quad (-1, r)$$

$$\sqrt{r - (-1)} = \sqrt{r} = r$$

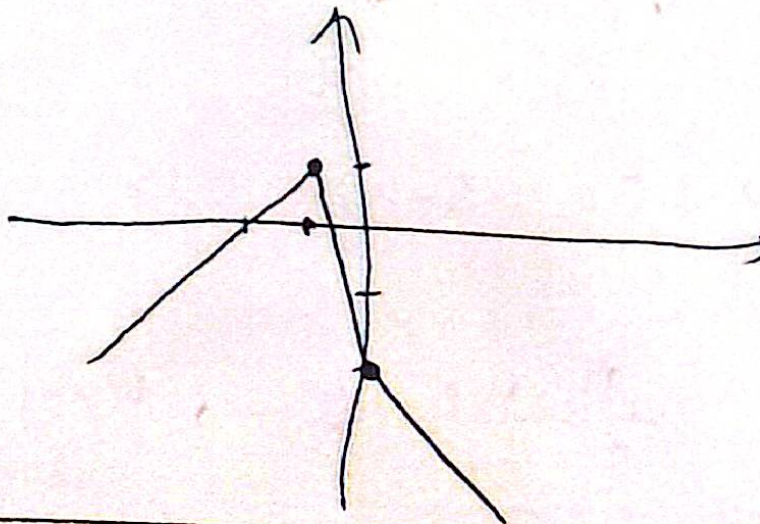
r

$$\begin{cases}
 3x - 1 & x > 3 & [3, +\infty) \\
 2x - 2 & 2 < x < 3 & (2, 3) \\
 -2x + 4 & 1 < x < 2 & (1, 2) \\
 -5x + 1 & x < 1 & (-\infty, 1)
 \end{cases}$$

$[2, 3]$  $\rightarrow$ کریم بقدر ۲

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$$\begin{array}{ll}
 x+1 & x < -1 \\
 -x-1 & -1 \leq x < 0 \\
 -x-1 & x \geq 0
 \end{array}$$



$$y(x+1) = x^r + dx + m \rightarrow x^r + (d-y)x + m - y = 0$$

$$y \neq d \rightarrow x = \frac{y-d \pm \sqrt{(d+y)^2 - 4(y-m+y)}}{y}$$

$$y = d \rightarrow x^r + m - d$$

$$|y - (m)| > 0 \rightarrow m \leq r \rightarrow m \in \{1, r, r^2, r^3\}$$

$$x+r \quad x \geq r \rightarrow [d, +\infty)$$

$$x^r - rx + r \quad 0 \leq x < r \quad [r, d]$$

$$|x| + r \quad x < 0 \quad (r, +\infty)$$

$$\left. \begin{array}{l} x+r \\ x^r - rx + r \\ |x| + r \end{array} \right\} \cup \rightarrow R_f = [r, +\infty)$$

$$x^r + rx + r$$

$$x \leq 0 \rightarrow \frac{-r - \sqrt{r^2 - 4r}}{2} \rightarrow [-1, +\infty)$$

$$[rx] - rx$$

$$x > 0$$

$$(-1, 0]$$

$$\left. \begin{array}{l} x \leq 0 \\ x > 0 \end{array} \right\} \cup \rightarrow R_f = [-1, +\infty)$$

$$a+1=d \rightarrow a=r$$

$$[-\frac{r}{y}, +\infty) \quad \text{نقطة}$$

$$rx + r = 0 \rightarrow rx = -r \rightarrow x = -\frac{r}{y}$$

$$(-\infty, d] \quad \text{نقطة}$$

$$a \times b = rx - \frac{r}{y} = -y$$

$$r\sqrt{r+r\sqrt{1-x^2}} - (r\sqrt{x+1} + r\sqrt{1-x})$$

$$r\sqrt{a^2+b^2+2ab} - ra - rb = a-b$$

$$\frac{ra+rb}{y} - \frac{a-b}{r} = \frac{a+rb-a+b}{r} = b \rightarrow b = \sqrt{1-x}$$