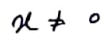
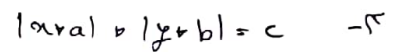
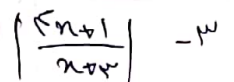


1- الفام

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-4

۷۔ باقوم بیان سے تابع خطی است مع a_{50}

-V

$$x \neq -1 \Rightarrow Df = \mathbb{R} - \{-1\} \Rightarrow a = b = -1$$

$$\frac{x^2 - 5x}{x+1} = \frac{x(x-1)(x+1)}{x+1} = x^2 - x, x \neq -1 \Rightarrow Rf = [-1, \infty) - \{-1\}$$

$$\frac{-b}{1a} = 1 \Rightarrow y = -1 \quad C = -1$$

$$f\left(\frac{a+b}{2c}\right) = f\left(\frac{-1}{-1}\right) = f(1) = 0$$

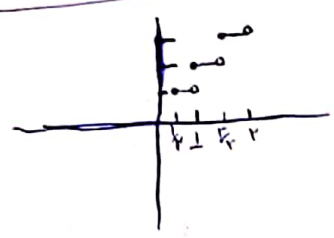
۹- تابع خطی: با فرم $ax+b$ در می شود

$$\sqrt[n]{x^3 + ax + b} = \sqrt[n]{(x-1)^3}$$

$$x^3 - 4x^2 + 12x - 1 \Rightarrow a = -4, b = 12$$

$$f(x) = x-1$$

$$Df = [-4, 12] \Rightarrow Rf = [-1, 10]$$



$$\left[\frac{1}{4}, 1\right) \Rightarrow y = 1$$

$$\left[1, \frac{3}{4}\right) \Rightarrow y = 2$$

$$\left[\frac{3}{4}, 2\right) \Rightarrow y = 3$$

$$\boxed{3, 4, 5} - 10$$