

نام و نام خانوادگی ..... نادیا اسحاق ..... پاسخنامه تشریحی تکلیف شماره ۱... کلاس ..... دهم ف ۱۳ .....

الف)  $x|x| \geq 0$   $D_f = \mathbb{W} \subseteq (0, +\infty)$   $\hookrightarrow D_g = \mathbb{R}$   $x$  مختلف است

—)  $\frac{q^x + a q x + v}{q^x + a q x + v} = 1 \quad f(x) = 1, g(x) = 1$

$$2.) \frac{r \sin \alpha (\cancel{r \sin \alpha = r})}{\cancel{r \sin \alpha = r}} = r \sin \alpha \quad g(\alpha) \cancel{f(\alpha)} = r \sin \alpha$$

هر عددی بگذاریم مثبت و منفی و هم صفر مساوی است ✓

مگر گزینی سے  $\rightarrow |x| > |a|$  ج.  $f(x) = \left[ \frac{x}{x+1} \right] = \left[ \frac{4}{5} \right] = 0$  ✓ الف

$$g(x) = [-r, r - [-r, r]] = [-r, r + r] = [-r, 2r] = 0$$

$$- ) \frac{1}{[x \vee y]} = \frac{1}{[1 \vee 1]} = \frac{1}{1 \vee} \neq \frac{1}{x[x]} = \frac{1}{x[1]} = \frac{1}{1} \rightarrow ) \frac{x(x-1)}{x-1} = x + x$$

$$\begin{aligned} f(x) - g(x) &= x^5 - x + 1 & x f(x) &= x(x^5 + 1) & f(x) &= x^5 + 1 \\ f(x) + g(x) &= x^5 + x + 1 & & & g(x) &= x \end{aligned}$$

$$f'(x) - g'(x) = (x+1)^2 - (x)^2 = x^2 + 2x + 1 - x^2 = x^2 + 1$$

$$x + \sqrt{x^2 - r} \times x - \sqrt{x^2 - r} = x^2 - x^2 - r = +r$$

Def  $f \times g = n^r \geq \varepsilon \rightarrow n \geq r \leq n \leq r$

$$P(u^r - \frac{r}{r} u - \frac{\delta}{r}) \rightarrow m_c + \frac{r}{r}$$

$$n = -\frac{\partial}{\partial}$$

$$\frac{a_n - r}{(nr - \frac{r}{r}n - \frac{r}{r})} = \frac{n+b}{1(nr - \frac{r}{r}n - \frac{r}{r})} \rightarrow kan - z = n+b$$

$$a < \frac{1}{2}$$

$$b_{c-\xi}$$

$$a_m - b_n = -\frac{c_v}{\lambda}$$

$$10a + b \neq$$

$$10a = -b$$

$$a = \frac{-b}{10}$$

$$a = -\frac{b}{10}$$

$$10a + b \neq \rightarrow c^2 \perp \rightarrow c \neq \pm \frac{1}{10}$$

$$10x = \frac{-10}{10} + 10$$

$$c = \frac{1}{10} \rightarrow a = -\frac{1}{10} \rightarrow b = 1 \rightarrow \frac{ab}{c} = -10$$

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$$\{(2, 1), (2, 1), (-1, -1), (0, 0)\}$$

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$$\frac{10}{10+9} = \{(2, 1), (-1, -1), (2, 1)\}$$

$$a = d = -1$$

$$10x - 1 - 2b = -1 - 2b = 1$$

$$-2b = 2$$

$$b = -1$$

$$-1 - 2x - 2 = 0$$

$$c = 0$$

$$d + c = -1 + 0 = -1$$

$$f(x) = \sqrt{-(x^2 - x + m)}$$

مربع کامل

$$D(f) = \emptyset$$

$$\{(a, b)\}$$

$$m = \frac{1}{4}$$

$$a + b = 0$$

$$f(x) = \sqrt{-(x - \frac{1}{2})^2} \quad a = \frac{1}{2}$$

$$b = 0$$

$$\frac{10x + a}{10x + 4x + b} = \frac{10x + a}{14x + b}$$

$$\Rightarrow 10x^2 + ax - 14x^2 - 4bx = 10x^2 + 14x + b$$

$$10x \neq 14x$$

$$10x^2 + 4x + b \neq 0$$

$$10x^2 + 4x + b \rightarrow 10x^2 + 4x + b = 0$$

$$D_f = D_g \rightarrow c = -10$$

$$a + b + c = 10$$

$$10x + 4 = 10x + a \rightarrow a = 4$$