

پاسخنامه تشریحی تکلیف شماره ۱... کلاس دوازدهم ریاضی B

$$xy' + y^2 - y^2 - xy = 0 \quad (2)$$

$$y(y' + v) = x(y' + v)$$

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

$x = y_1$
 $x = y_2$

$y_1 = y_2$ تابع است

$$\frac{x+y}{2} = \sqrt{xy} \quad (C)$$

$$x^T + y^T + rxy = rxy$$

چون گفته (x, y) می‌توانیم
بدان x و y بدوین و این حرکت بدین
 $x^2 + y^2 = 0$
نکته $y = x = 0$
تابع است

$$x \cos y = y \cos x \quad (\cdot)$$

مثال بقض: $\frac{\pi}{4}, -\frac{\pi}{4}$

$$\frac{\frac{\pi}{4}}{\frac{\sqrt{2}}{2}} = \frac{y}{\cos y} \Leftarrow \kappa\left(\frac{\pi}{4}\right)$$

$$y^2 - 2x^2 = 2x - 1 \quad (\text{الف})$$

$$g = \sqrt{x+1} \sqrt{x-1}$$

آنکه x و y با y_1 و y_2 و y_3 و y_4 و y_5 و y_6 و y_7 و y_8 و y_9 و y_{10} و y_{11} و y_{12} و y_{13} و y_{14} و y_{15} و y_{16} و y_{17} و y_{18} و y_{19} و y_{20} و y_{21} و y_{22} و y_{23} و y_{24} و y_{25} و y_{26} و y_{27} و y_{28} و y_{29} و y_{30} و y_{31} و y_{32} و y_{33} و y_{34} و y_{35} و y_{36} و y_{37} و y_{38} و y_{39} و y_{40} و y_{41} و y_{42} و y_{43} و y_{44} و y_{45} و y_{46} و y_{47} و y_{48} و y_{49} و y_{50} و y_{51} و y_{52} و y_{53} و y_{54} و y_{55} و y_{56} و y_{57} و y_{58} و y_{59} و y_{60} و y_{61} و y_{62} و y_{63} و y_{64} و y_{65} و y_{66} و y_{67} و y_{68} و y_{69} و y_{70} و y_{71} و y_{72} و y_{73} و y_{74} و y_{75} و y_{76} و y_{77} و y_{78} و y_{79} و y_{80} و y_{81} و y_{82} و y_{83} و y_{84} و y_{85} و y_{86} و y_{87} و y_{88} و y_{89} و y_{90} و y_{91} و y_{92} و y_{93} و y_{94} و y_{95} و y_{96} و y_{97} و y_{98} و y_{99} و y_{100} و y_{101} و y_{102} و y_{103} و y_{104} و y_{105} و y_{106} و y_{107} و y_{108} و y_{109} و y_{110} و y_{111} و y_{112} و y_{113} و y_{114} و y_{115} و y_{116} و y_{117} و y_{118} و y_{119} و y_{120} و y_{121} و y_{122} و y_{123} و y_{124} و y_{125} و y_{126} و y_{127} و y_{128} و y_{129} و y_{130} و y_{131} و y_{132} و y_{133} و y_{134} و y_{135} و y_{136} و y_{137} و y_{138} و y_{139} و y_{140} و y_{141} و y_{142} و y_{143} و y_{144} و y_{145} و y_{146} و y_{147} و y_{148} و y_{149} و y_{150} و y_{151} و y_{152} و y_{153} و y_{154} و y_{155} و y_{156} و y_{157} و y_{158} و y_{159} و y_{160} و y_{161} و y_{162} و y_{163} و y_{164} و y_{165} و y_{166} و y_{167} و y_{168} و y_{169} و y_{170} و y_{171} و y_{172} و y_{173} و y_{174} و y_{175} و y_{176} و y_{177} و y_{178} و y_{179} و y_{180} و y_{181} و y_{182} و y_{183} و y_{184} و y_{185} و y_{186} و y_{187} و y_{188} و y_{189} و y_{190} و y_{191} و y_{192} و y_{193} و y_{194} و y_{195} و y_{196} و y_{197} و y_{198} و y_{199} و y_{200} و y_{201} و y_{202} و y_{203} و y_{204} و y_{205} و y_{206} و y_{207} و y_{208} و y_{209} و y_{210} و y_{211} و y_{212} و y_{213} و y_{214} و y_{215} و y_{216} و y_{217} و y_{218} و y_{219} و y_{220} و y_{221} و y_{222} و y_{223} و y_{224} و y_{225} و y_{226} و y_{227} و y_{228} و y_{229} و y_{230} و y_{231} و y_{232} و y_{233} و y_{234} و y_{235} و y_{236} و y_{237} و y_{238} و y_{239} و y_{240} و y_{241} و y_{242} و y_{243} و y_{244} و y_{245} و y_{246} و y_{247} و y_{248} و y_{249} و y_{250} و y_{251} و y_{252} و y_{253} و y_{254} و y_{255} و y_{256} و y_{257} و y_{258} و y_{259} و y_{260} و y_{261} و y_{262} و y_{263} و y_{264} و y_{265} و y_{266} و y_{267} و y_{268} و y_{269} و y_{270} و y_{271} و y_{272} و y_{273} و y_{274} و y_{275} و y_{276} و y_{277} و y_{278} و y_{279} و y_{280} و y_{281} و y_{282} و y_{283} و y_{284} و y_{285} و y_{286} و y_{287} و y_{288} و y_{289} و y_{290} و y_{291} و y_{292} و y_{293} و y_{294} و y_{295} و y_{296} و y_{297} و y_{298} و y_{299} و y_{300} و y_{301} و y_{302} و y_{303} و y_{304} و y_{305} و y_{306} و y_{307} و y_{308} و y_{309} و y_{310} و y_{311} و y_{312} و y_{313} و y_{314} و y_{315} و y_{316} و y_{317} و y_{318} و y_{319} و y_{320} و y_{321} و y_{322} و y_{323} و y_{324} و y_{325} و y_{326} و y_{327} و y_{328} و y_{329} و y_{330} و y_{331} و y_{332} و y_{333} و y_{334} و y_{335} و y_{336} و y_{337} و y_{338} و y_{339} و y_{340} و y_{341} و y_{342} و y_{343} و y_{344} و y_{345} و y_{346} و y_{347} و y_{348} و y_{349} و y_{350} و y_{351} و y_{352} و y_{353} و y_{354} و y_{355} و y_{356} و y_{357} و y_{358} و y_{359} و y_{360} و y_{361} و y_{362} و y_{363} و y_{364} و y_{365} و y_{366} و y_{367} و y_{368} و y_{369} و y_{370} و y_{371} و y_{372} و y_{373} و y_{374} و y_{375} و y_{376} و y_{377} و y_{378} و y_{379} و y_{380} و y_{38

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CS

$$f(x) = \log \left(\frac{1}{9 + \sqrt{|x|} - |x|} \right) \quad \text{FW}$$

نماذج و. (W)

$$\frac{1}{\sqrt{1-x^2}} \rangle_0 \Rightarrow \langle 1 + \sqrt{1-x^2} - |x| \rangle_0 \quad \sqrt{1-x^2} = t \neq 0$$

$$y + t - t^y > 0 \Rightarrow t^y - t - 4 < 0.$$

$-1 < \sqrt{2x-1} < 1$

$$\sqrt{|x|} < 9 \Rightarrow |x| < 9 \Rightarrow -9 < x < 9$$

$$D_f = (-9, 9) \checkmark$$

$$f(x) = \sqrt{\log_{\frac{1}{2}} x - 1}$$

(الف)

$\underbrace{\psi(x-1) > \dots}_{x(x-1)} , x > 0, x \neq 1$ $\psi(x-1) < 1$

I, III, IV $\Rightarrow$ 1 $\langle$ 2 $\langle$ 3

[illegible]

II, VI $\Rightarrow \kappa > 1$

نی دوسری یہ 3 ط میں ہیں فقط ہاں کہہ دیکھ ۲ مندرجہ ۰ میں کر رہی ہے $0 = x + b$ اور $x = 2$ ہے $0 = 2 + b$ $b = -2$ ہے

۱. سی صورت از بین برود $\leftarrow a = -3$

$$f(x) = \begin{cases} 2x-1 & ; [x] > 4 \\ 2x+3 & ; [x] \leq 4 \end{cases}$$

$D_g = ?$

$$g(x) = \sqrt{f(x) - x + 1}$$

$$[u]_{\mathcal{E}} \rightarrow u_{\mathcal{A}}$$

$$[x] \leq k \rightarrow x$$

$$f(x) = x^2 - x + 1 \quad \quad y(x) = -1 - x + 1$$

$$v_{n+k} \geq 0$$

$\begin{matrix} 2x > -1 \\ x > -\frac{1}{2} \end{matrix}$

$$yx - 1 - x + 1$$

$$x_{j0}$$

I, II =>

$$Df = \left[-\frac{\lambda}{E}, +1 \right]$$

$$\frac{4x^3 + 4x^2 + 1x + 1}{(x^2 + x + 1)^2} = y_f(x)$$

$$\psi(\underbrace{\lambda x^y + 1}) + 1 \lambda x(yx + 1)$$

$$P(x+1) = (x^2 - x + 1) + x$$

اماداً من مجموع نباید. فقط هج هم که بود $(2n+1)^4$ پس فقط $2n+1$ داشته $2n+1 \neq 0$

$$x \neq -1$$

$$x \neq -\frac{1}{2}$$

$$IR - \left\{-\frac{1}{v}\right\} = D_f \quad \checkmark$$

$$D_g = (b, c]$$

$$g(n) = \sqrt{1 - \log(rn - a)}$$

$$1 - \log(x-a) \geq 0 \Rightarrow 1 \geq \log(x-a)$$

$$I, II \Rightarrow 1 \geq 2x - a \Rightarrow$$

$$\langle \pi - a \rangle = 0$$

I 1. $\geq \gamma n - \alpha$

$$\forall n \leq 1+q \rightarrow n \leq q+1 \quad \text{I.H.}$$

$$C = 1.0 + a$$

$$b = a$$

$$c-b = 10 + a - (a) = 10$$

$$Df_c \left(\frac{a}{r}, \delta + \frac{a}{r} \right)$$

$$\rightarrow \Delta + \frac{G}{r} - \frac{v^2}{2} \approx \Delta$$