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$$-mu^2 + mu + 1 = -m - u \quad \text{۰/۱ ۵/۸ ۰۰ ۷/۲/۱۲}$$

(111)

متوسط

$$0 = mu^2 + u(-1-m) + (-m+1)$$

$$\Rightarrow \Delta = m^2 + 4m + 1 + 4m^2 + 4m + 4$$

$$\Rightarrow m^2 - 4m + 1 < 0 \Rightarrow -1 < m < 1/5$$

$$f(g^{-1}(a)) = -1 \Rightarrow g^{-1}(a) = t \quad 1/5$$

(112) سوال ۱

$$\Rightarrow g(1/5) = a \Rightarrow a = -1/5$$

$$\alpha = -1/5, \beta = 1$$

$$\Rightarrow p = \alpha, \beta = \frac{\beta}{\alpha \alpha}$$

(113)

$$y = -\alpha u^2 + \beta u + 1$$

$$\alpha \alpha^2 \beta = \beta = x \quad \beta = 0 \quad \text{ع ۳}$$

متوسط

وقت کم

$$S = \alpha + \beta = \frac{-1}{\alpha} \Rightarrow \alpha \alpha^2 + \alpha \alpha \beta = -1$$

$$\alpha^2 = \frac{1}{\alpha} \Rightarrow \alpha = \pm \frac{1}{\alpha}$$

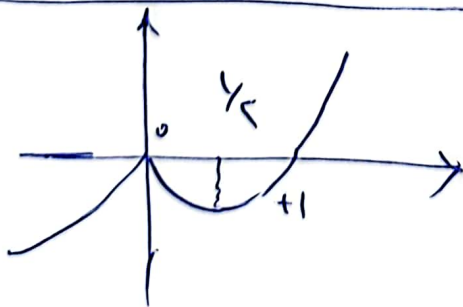
$$1 + \alpha \alpha \beta = -1 \Rightarrow \alpha \beta = \frac{1}{\alpha} \Rightarrow \beta = 1, \alpha = -1/5$$

$$-1 < \frac{-1}{\alpha - 1} < 0 \Rightarrow -1 < \frac{1}{\alpha - 1} < 0$$

(114)

$$-1/5 > \alpha - 1 \Rightarrow \alpha > 4/5$$

$$\alpha = 1/5$$



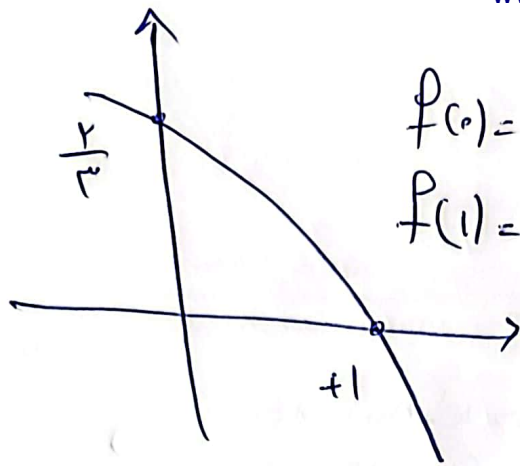
$$y = (\alpha - 1)/\alpha$$

سوال ۱

(115)

ضریب

114



$$f(0) = \frac{r}{r} \Rightarrow C_x r^a = -\frac{1}{r}$$

$$f(1) = C_x r^{a+b} = -1 \Rightarrow r^b = r \Rightarrow b=1$$

$$f(-1) = 1 + C_x r^{a-b} \Rightarrow \left(\frac{1}{8}\right)$$

پتو سلا

~~قانون~~

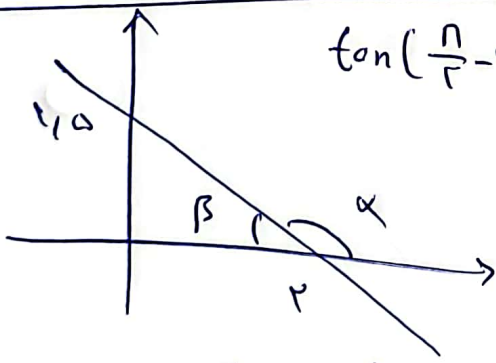
طولانی و پتو سلا 114

$$y = au + a\sqrt{u} \Rightarrow u=0 \Rightarrow y=0$$

$$u=1 \Rightarrow y=2a$$

$$f(2a) = 1 \Rightarrow \frac{2a+2}{r} - \frac{\sqrt{2a+1}}{r} = 1$$

$$2a+2 - \sqrt{2a+1} = r \Rightarrow a=r$$



$$\tan\left(\frac{\pi}{2} - \alpha\right) = \cot \alpha = -\frac{r}{r}$$

118

$$\tan \beta = \frac{1/5}{2} = \frac{r}{r} \Rightarrow \tan \alpha = -\frac{r}{r}$$

سے سے اسے ← لڑیہ ماسی سبب خطہ نین

$$\frac{r \cos(2\pi) - r \sin(1.4\pi)}{\sin(2\pi) - \cos(2\pi)}$$

$$\Rightarrow \frac{-r \sin(2\pi) + r \sin(2\pi)}{-\cos(2\pi) - \cos(2\pi)} = r/a$$

$$2\pi = 2\pi - 2\pi \quad 2\pi = 1.4\pi + 2\pi$$

$$1.4\pi = 1.4\pi - 2\pi \quad 2\pi = 2\pi + 2\pi$$

119

$$\frac{a}{f(b)} = -\frac{1}{c} \Rightarrow f(u) = -\frac{1}{c}a$$

(124)

منه $b=0$ [من a با b با c] \Leftarrow من R و c

$$\frac{au-1}{u+1} = \frac{u+a}{v} \Rightarrow \frac{u^2}{u+1} + (14-va)u + 1c = 0$$

(125)

$$u_s = \frac{va-14}{4} \Rightarrow a > \frac{14}{v}$$

$$\Delta = (14-va)^2 - 1c^2 = 0$$

منه

$$14-va=1c \Rightarrow a = \frac{14+c}{v}$$

$$14-va=-1c \Rightarrow a = \frac{14-c}{v} \checkmark$$

$$\frac{f(0) - f(-1)}{0 - (-1)} = 1 - \frac{1}{c}(1-a) \Rightarrow a = -\frac{1}{c}$$

(126)

$$f'(u) = 4u(u+1)^2 \left(-\frac{1}{c}u+1\right) + \left(-\frac{1}{c}\right)(u+1)^3$$

منه

$$f'(1) = 1$$

$$y = 4u^2 - 1c$$

(منه) (127)

y	$-c$	$+c$
y'	$+$	$-$
y	\nearrow	\searrow

$$u = +c \Rightarrow \text{min}$$

$$y = -1c$$

$$S = \tau ay = \tau u \sqrt{\tau - u}$$

128

$$S = \tau \sqrt{\tau u - u^2}$$

سفت

$$1 \tau u - \tau u^2 = 0$$

$$u = \tau$$

$$S = 4$$

1, 3, ~~9~~, 18, 27, 27, ~~39~~, 45

129

متوسط

$$\bar{X} = \frac{45 + 45}{2} = 45$$

$$\bar{X} = \frac{2a + 45}{2} = 45$$

$$\Rightarrow a = 33$$

$$3! \times 4! = 144$$

130

$$P(A \cap B') = P((A \cup B)') = 1 - \left(\frac{6}{34} + \frac{4}{34} \right)$$

131

$$\Rightarrow \frac{20}{34} = \frac{10}{17}$$

متوسط

قرمز $\rightarrow \frac{5}{15}$

متوسط

132

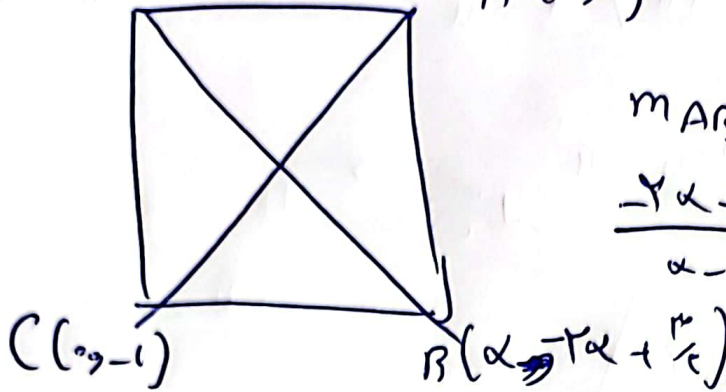
سبز $\rightarrow \frac{4}{15}$

$$\frac{34 + 20 + 25}{15 \times 15} = 0.54$$

0.54

بی $\rightarrow \frac{6}{15}$

$MAC = \frac{1}{c}$



سوالی (سوالی) 133

$m_{AB} * m_{BC} = -1$
 $\frac{-2\alpha + \frac{1}{c}}{\alpha - 1} * \frac{-2\alpha + \frac{1}{c}}{\alpha} = -1$

$\alpha(-2\alpha + \frac{1}{c}) = 0$
 $\alpha = \frac{1}{c}, \frac{1}{c}$

$APF \cong CEF \Rightarrow \frac{AP}{CF} = \frac{AF}{FN} \Rightarrow AF = 15$ (134)

B سبب: $\alpha = 15$
 سبب

$\frac{y + 0}{y + 11} = \frac{0}{1}$

$\Rightarrow y = 11$

135

$B = \frac{1 + \sqrt{10}}{1 + 2\sqrt{10}} * \frac{\sqrt{10} - 1}{10 - 1} \Rightarrow B = \frac{\sqrt{10} - 1}{10}$ (136)

$1/B + 1 = \sqrt{10}$