

$$\frac{I_1^n}{I_2^n} = \frac{n+2}{n}$$

$$\frac{d+M}{P} = \frac{1+\sqrt{\omega}}{P}, \quad Y + Y\sqrt{\omega} = d + M$$

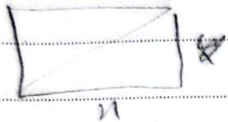
$$M = Y\sqrt{\omega} - Y$$

$$0.6 = \sqrt{50} + 1.7$$

$$\mu_{\text{HCO}_3^-} = \text{ESE} = 90$$

$$V_{\text{rms}} = (V_{\text{avg}} + V) \times (r)$$

$$\Delta \sqrt{\omega} + \Delta \rightarrow \frac{\Delta(\sqrt{\omega} + 1)}{\gamma_0(\omega)} = \frac{\gamma}{\omega} (1 + \sqrt{\omega})$$



$$b = \sqrt{m^2 + \alpha^2} \sim \frac{\sqrt{m^2 + \alpha^2}}{m} = \frac{1 + \sqrt{\omega}}{r}$$

سوال ۲:

$$\frac{n^P + z^P}{n^P} = \frac{1 + \alpha + P\sqrt{\omega}}{1} \Rightarrow 1 + \frac{z^P}{n^P} = \frac{1 + \alpha + P\sqrt{\omega}}{1} \Rightarrow \frac{z^P}{n^P} = \frac{1 + \alpha + P\sqrt{\omega}}{1} - 1 = \frac{1 + \alpha + P\sqrt{\omega} - 1}{1} = \frac{\alpha + P\sqrt{\omega}}{1}$$

$$\frac{2P}{25P} = \frac{P}{14\sqrt{5}P}$$

$$P_a + \sqrt{P_a^2 + E_d} = P \rightarrow \sqrt{P_a^2 + E_d} = P - P_a$$

$$P_{a^2} \circ \epsilon_a : \epsilon_a^* a^* - \text{Ka}$$

$$Vd^P - 169a + c = 0 \Rightarrow \Delta = 169^2 - 11^2 = 1356$$

$$\frac{a+1}{a} = \frac{\frac{1}{v} + 1}{\frac{1}{v}} = \frac{1+v}{1}$$

$$\frac{+14 \pm 1P}{1P} \begin{cases} P \rightarrow 4 + \sqrt{1+1} = 5.00 \\ \frac{P}{V} \rightarrow \frac{4}{V} + \sqrt{\frac{1}{V^2} + \frac{1}{V}} = 1 \checkmark \end{cases}$$

$$\frac{\sqrt{n+1}}{\sqrt{n+1} + \sqrt{n-1}} \cdot \frac{\sqrt{n+1}}{\sqrt{n+1} - \sqrt{n-1}} = \frac{n+1}{n+1 - (n-1)}$$

سوال نمبر:

$$\frac{\sqrt{n+1} (1 - \sqrt{n-1}) - (\sqrt{n+1} (1 + \sqrt{n-1}))}{9 - (n-1)} = \frac{n-1}{\sqrt{n-1}} \rightarrow \frac{-2\sqrt{n+1} (n-1)}{190-n} = \frac{\sqrt{n-1} (n-1)}{n-1}$$

$$+16(n-1) = 16\sqrt{n-1} \Rightarrow f(n+1) = 16(n+1) - 16\sqrt{n+1} = 16(n+1) - 16\sqrt{n+1}$$

$$n^2 \Delta \varphi_m + 99 = 0 \quad \sim \gamma \Delta = \omega \sqrt{\gamma}, \quad \gamma \Delta^2 = 195$$

$$+ \frac{-100 \pm \sqrt{100^2 - 4(1)(-150)}}{2(1)} = \frac{-100 \pm \sqrt{10000 + 6000}}{2} = \frac{-100 \pm \sqrt{16000}}{2} = \frac{-100 \pm 126.49}{2}$$

$n = 100$
Zins

$$\frac{1}{r + \sqrt{r-n}} - \frac{1}{r - \sqrt{r-n}} = \frac{r-n}{\omega \sqrt{r-n}}$$

سوال ۵:

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$$\frac{r - \sqrt{r-n} - r + \sqrt{r-n}}{r - r + n} = \frac{r-n}{\omega \sqrt{r-n}} \rightarrow -\sqrt{r-n} \times (\omega \sqrt{r-n}) = \varepsilon - n^2 \quad (5)$$

$$-10(r-n) = \varepsilon - n^2$$

$$n^2 - r^2 + 10n = 0 \quad \Delta = 100 - 4 \times 1 = 96 = 192$$

$$n = \frac{-10 \pm \sqrt{192}}{2} \rightarrow -12 \checkmark \quad -10(12) = \varepsilon - 144 \checkmark$$

حقوق
بیشتر

$$\frac{1}{n^2} + \frac{1}{(1-n)^2} = \frac{140}{9} \quad A = n(1-n)$$

سوال ۶:

90

$$\frac{n^2 + 1 - 2n}{n^2(1-n)^2} = \frac{140}{9} \rightarrow \frac{n^2(n-1) + 1}{n^2} = \frac{1 - 2 + 140}{9}$$

$$9 - 18n + 140n^2 = 0 \rightarrow 140n^2 - 17n + 9 = 0 \quad \Delta = 17^2 - 4 \times 140 \times 9 = 289 - 5040 = -4751 \rightarrow \sqrt{4751}$$

$$\frac{17 \pm \sqrt{4751}}{2 \times 140} = \frac{-97}{280} = -\frac{r}{n(1-n)} \rightarrow n^2 + n = -\frac{r}{10} \rightarrow +1n^2 - 10n - r$$

$$\frac{10 \pm \sqrt{100 + 4r}}{2} = \frac{10 \pm \sqrt{100 + 4 \times 140}}{2} = \frac{10 \pm \sqrt{660}}{2}$$

$$\frac{10 + \sqrt{660}}{2} + \frac{10 - \sqrt{660}}{2} = \frac{20}{2} = 10$$

n > 0

$$\sqrt{n^2 + 4n^2 + 4n + 10} + \sqrt{n^2 + 4n^2 + 4n - 10} = n + 1$$

n > 0

$$-n^2 + 4n^2 + 4n + 10 > 0$$

$$-(n^2 - 4n^2 - 4n - 10) > 0$$

$$\omega = 4n - \omega = n \varepsilon = n \quad -(\omega n)(n - \omega)(n - \varepsilon) > 0$$

$$-n^2 + 4n - 10 > 0 \quad -(n-2)(n-5) > 0 \rightarrow \frac{+}{-} \frac{+}{-} \rightarrow [2, 5]$$

$$\omega = 4n - \omega = n \varepsilon = n$$

Arman

$$y = |n+2| + |n-1|$$

$\begin{matrix} \nearrow & \nwarrow \\ n=-2 & n=1 \end{matrix}$

$$-n-2 = n+1 \quad n \leq -1$$

$$-2n-1$$

$$|n+2| = 1 \quad -2 < n < 1$$

$$|n+2| = n+1 \quad n \geq 1$$

$$2n+2 = 1 \quad \sim \quad y = -\frac{n}{2} + \frac{1}{2}$$

$$-2n-1 = -\frac{n}{2} + \frac{1}{2} \quad \sim \quad -4n-2 = -n+1 \quad \sim \quad -3n=3 \quad \sim \quad n=-1$$

$$y=1$$

$$y = -\frac{n}{2} + \frac{1}{2} \quad \sim \quad 1 = -\frac{n}{2} + \frac{1}{2} \quad \sim \quad n=1 \quad y=2$$

$$2n+1 = -\frac{n}{2} + \frac{1}{2} \quad \sim \quad 4n+2 = -n+1 \quad \sim \quad 5n=-1 \quad \sim \quad n=-\frac{1}{5}$$

$$y=1$$

$$AB = \sqrt{(-1-1)^2 + (1-2)^2} = \sqrt{5}$$

سوال 9:

$$y = \sqrt{n^2 - 4n + 4}$$

$$(n-2)^2$$

$$y = \frac{1}{2}n + 2$$

$$y = |n-2|$$

$$-n+2 \quad n \leq 2$$

$$n-2 \quad n > 2$$

$$\frac{1}{2}n + 2 = n-2 \quad \sim \quad n+4 = 2n-4 \quad \sim \quad n=8 \quad y=6$$

$$\frac{1}{2}n + 2 = -n+4 \quad \sim \quad n+4 = -2n+8 \quad \sim \quad 3n=4 \quad \sim \quad n=\frac{4}{3} \quad y=3$$

$$BC = \sqrt{(4-0)^2 + (0-2)^2} = \sqrt{20} = 2\sqrt{5} \quad AC = \sqrt{(8-2)^2 + (6-0)^2} = 10$$

$$4\sqrt{5} \times 2\sqrt{5} = 40$$

$$\frac{1}{n} + \frac{1}{n+9} = \frac{1}{10}$$

سوال 10

2

$$\frac{n+9+n}{n(n+9)} = \frac{1}{10} \rightarrow \frac{2n+9}{n^2+9n} = \frac{1}{10}$$

$$20n + 110 = n^2 + 9n$$

$$n^2 - 11n - 110 = 0$$

$$(n-14)(n+9) = 0$$

$$\boxed{n=14} \quad n=-9$$

900