

پاسخنامه تشریحی تکلیف شماره ۱۵. کلاس ..... دهم B.....

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$$\sigma \times a_2 \times a_2^T = 4K \Rightarrow a_2^T = 4K \Rightarrow a_2 = K$$

مغفرت و  $q = \frac{1}{\kappa}$

$$\sigma(1 + q + q^r) = r1$$

$$\Rightarrow \frac{1 + q + q^r}{2q^r} = \frac{r1}{14} \Rightarrow \frac{1 + q^r}{r q} = \frac{r1}{14}$$

$$14 q^T - 4 \wedge q + 14 = 0$$

$$r_{q^*} - 1/r_q + r = 0$$

$$\Rightarrow q - 14q + 14 = 0$$

$$(q-1)(q^{\leftarrow}-14) \Rightarrow \begin{matrix} q=1 \\ q=14 \end{matrix}$$

$$(rx)^r = (x^r - r)(x^r + r)$$

$$n^{r+1}, r n, n^{r-1}$$

$$f_1 \cdot f_2 \wedge, \quad \neg \wedge \quad \text{و} \quad f - \neg = \neg$$

$$F_X^Y = (X^Y \rightarrow Y^Y - \Lambda)$$

$\lambda, \mu, \nu$

$$(n^2 + r)(n^2 - r)$$

$$S_n = a_1 \left( \frac{1-q^n}{1-q} \right) \Rightarrow \wedge \left( \frac{1-\left(\frac{1}{r}\right)^n}{1-\frac{1}{r}} \right)$$

$n^2 = (-2) - (+4) \checkmark \Rightarrow n = \sqrt{-6} \Rightarrow q = \frac{1}{r}$

$$14 \times (1 - (\frac{1}{r})^N) = ? \Rightarrow ? = \frac{14 \times 17 \times 10}{17}$$

$$1 + q + q^r + q^{r^2} + q^{r^3} = \frac{|P|}{\lambda_1} \Rightarrow a + aq + aq^r + aq^{r^2} + aq^{r^3} = a \times \frac{|P|}{\lambda_1}$$

$$r^r + r^r q + r^r q^2 + r^r q^3 + r^r q^4 = \cancel{r^r} \times \frac{1}{\Delta t} = \boxed{r^r q}$$

$$A = \frac{4r+1}{x} = 17, 5$$

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$$B^2 = 4|x| \Rightarrow B = \pm \sqrt{4|x|} \Rightarrow B = \pm 2\sqrt{|x|}$$

$$A = 54,5$$

$B = -A \Rightarrow A + B = 0$

$$\left. \begin{matrix} A = r_1, a \\ B = 1 \end{matrix} \right\} \Rightarrow A+B = (r_1, a)$$

$$-r\pi \geq \frac{-qa}{r} \Rightarrow \dots \quad t_{(0)} = a_1 + 1 \dots a \Rightarrow -r\pi + qa = 1$$

$$\frac{1}{r} \Rightarrow a_n = \frac{1}{r} \wedge -r\pi + qa$$

$1 \times \frac{1}{2}, \frac{1}{2} \times \frac{1}{2}, \dots, \frac{1}{2} \times \frac{1}{2}$

$$a \wedge z = 1 \Rightarrow a \times q^{\frac{1}{r}} = 1 \Rightarrow q^{\frac{1}{r}} = \frac{1}{a} \Rightarrow q^{\frac{1}{r}} = \left[ \frac{1}{a} \right]$$

$$\begin{aligned} t_v &= t_1 + 4d \\ t_r &= t_1 + 2d \\ t_q &= t_1 + d \end{aligned}$$

$$\Rightarrow (t_1 + 4d)^2 = (t_1 + 2d)(t_1 + d)$$

$$r_0 d^2 \checkmark$$

$$r_0 d^2 + r_0 d^2 = 0 \Rightarrow r_0 d(t_1 + 1 \cdot d) = 0 \Rightarrow r_0 t_1 d = -r_0 d^2 \Rightarrow t_1 = -1 \cdot d$$

$d=0, d=\frac{-t_1}{1}$

$$\begin{aligned} a_r &= a + d \\ a_r &= a + 2d \\ a_n &= a + d \end{aligned}$$

$$\Rightarrow (a+d)(a+2d) = (a+d)^2$$

$\Downarrow$

$$\begin{aligned} a_r &= 2d \\ a_r &= 2d \\ a_n &= d \end{aligned}$$

$$\begin{aligned} r_0 d + r_0 d + d &= r_0 d + 2d + d \\ r_0 d + r_0 d + d &= r_0 d + 2d + d \\ r_0 d + r_0 d + d &= r_0 d + 2d + d \end{aligned}$$

$$\begin{aligned} r_0 q &= r_0 q^r + a q^r \\ r_0 q^r &= \frac{r_0 a q + a q^r}{r} \Rightarrow r_0 a q^r = r_0 a q + a q^r \end{aligned}$$

$$\checkmark$$

$$a q (r_q) = a q (r + q^r) \Rightarrow r_q = \frac{r + q^r}{q}$$

$$\begin{aligned} (x + a_r)(a_{1r} + x) &= (a_n + x)^r \\ (x + \frac{a}{r})(x - 1) &= (x + \frac{1}{r})^r \end{aligned}$$

$$a_n = r, \frac{v}{r}$$

$$d = \frac{1}{r}, a_n = \frac{1}{r} n + \frac{q}{r}$$

$$x^r + \frac{1}{r} x - \frac{a}{r} = x^r + \frac{1}{r} x + \frac{1}{14}$$

$$\checkmark$$

$$\frac{1}{r} x = -\frac{r_1}{14} \Rightarrow x = -\frac{r_1}{r} \Rightarrow \boxed{q = \frac{a}{r}}$$

$$\begin{aligned} a_{1r} &= \frac{a}{r} - \frac{1}{r} \cdot \frac{q}{r} \\ a_n &= \frac{a}{r} - r = \frac{1}{r} \\ a_{1r} &= -\frac{1}{r} \times \frac{1}{r} + \frac{q}{r} = -1 \end{aligned}$$

$$\begin{aligned} a + a q^r + a q^4 &= v r \\ a + d &= a q^r \\ a + 4d &= a q^4 \end{aligned}$$

$$\Rightarrow (a + d)^r = a(a + 4d)$$

$$a^r + r a d + d^r = a^r + 4 a d$$

$$d^r - r a d = 0$$

$$d(d - r a) = 0 \Rightarrow d - r a = 0$$

$$d = r a$$

$$d - r a = 0 \Rightarrow a = \frac{1}{r} d$$

$$\frac{1}{r} d + \frac{1}{r} d + \frac{4}{r} d = v r \Rightarrow \frac{6}{r} d = v r \Rightarrow d = \frac{v r^2}{6}$$