

Date:

Subject:

NOTE

تاریخ

موضوع

A قسم

درسیات

$$a) t_n = r_{n+1}$$

①

$$b) t_1 = r_{1+1} = r_2$$

$$t_n = r_1, r_2, r_3, \dots$$

②

$$t_n = r_{n+1}$$

الف)

$$t_n = t_1 + (n-1)d \Rightarrow$$

$$t_n = r_1 + (n-1)r$$

$$1. \text{ جمع تا } 9 \Rightarrow \frac{1}{r} (r_{10} + (9)r) = r_{10} \times 9 = r_{10}^2$$

ب)

$$r_{10} = r^2 \rightarrow t_{10} + t_{11} + t_{12} = r t_{11} + t_{11}$$

$$t_{11} = r \times r_1 + r = 11r$$

$$r t_{11}$$

$$a_n = \Delta^r x, r \times r \Delta^r x, \Delta^r y$$

③

$$xy = 1$$

$$r \times 1 =$$

$$b_n = x, r, y$$

$$xy = ?$$

$$y = rx + 1$$

$$(r \times \Delta^r x) - \Delta^r x =$$

$$(r-1) \Delta^r x = \Delta^r y - (r \times \Delta^r x)$$

$$\Delta^r y = \Delta^r x (r+1)$$

$$b_r - b_1 = b_r - b_1 \Rightarrow r x = y r$$

$$x=1$$

$$y = r \times 1 + 1$$

$$r(1) + 1 = r$$

$$y = rx + 1$$

$$rx = r \rightarrow x = 1$$

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20/10

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$$a_n = r, 1, 4x$$

$$\rightarrow 4x - (r-1) = (r-1) - (r-1)$$

$$\rightarrow 4x - r + 1 = r - 1 - r + 1$$

$$r-1 = r$$

$$a_n = r, 0, r, \dots$$

$$x = \frac{1}{r}$$

$$r-0 = r = d$$

$$a_r = -r + \left(\frac{r}{r}\right) \times r = 4$$

$$a_n = r, d, V$$

$$b_n = r, d, \Lambda, \dots$$

$$\rightarrow r_{n+1} = a_n$$

$$d = r$$

$$\rightarrow b_n = r_{n-1}$$

$$d = r$$

50

50

$$\rightarrow d, 11, 1V, 22, 29, \dots$$

$$\text{Solving } \frac{r-0}{r} = 4 \quad +1 = V$$

$$a_1 + a_r + a_p = r$$

$$ra_r = r$$

$$a_r = V$$

$$a_1 + a_r + a_d = 10d$$

$$ra_r = 10d$$

$$d = r$$

$$a_1 = -r$$

$$a_p = rd$$

$$a_p = a_r + a_d$$

$$rd - V + (-r) = \frac{V}{r} = \frac{V}{r}$$

$$a_1 + a_r + a_p = 1d$$

$$a_1 = d - d$$

$$ra_r = 1d$$

$$(a_r = d)$$

$$a_r + a_d = rd$$

$$(a_1 + rd) + (a_r + rd) = ra_1 + rd = rd$$

$$r(d - d) + rd = rd$$

$$a = d - r = r$$

$$ad = 1d$$

$$(d = r)$$

$$a_n = r + (n-1)r$$

$$a_1 = r + 0(r) = \boxed{r}$$

$$S_q = qS_r$$

$$\left. \begin{aligned} S_q &= \frac{q}{r} (ra + 1d) \\ S_r &= \frac{r}{r} (ra + rd) \end{aligned} \right\} \frac{q}{r} (ra + 1d)$$

$$\rightarrow q(a + rd)$$

$$a + rd = rd + rd \rightarrow d = ra$$

$$a_r = a + 1qd \rightarrow a + (1q)ra = ra + d = r$$

$$a_v = a + 4d \rightarrow a + (4)ra = 1ra$$

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$$a_1 = 11 \quad a_v = r_d$$

(1)

$$d = \frac{r_f}{r} = r$$

$$a_f = 11 + r_d \Rightarrow 11 + r = r$$

$$d' = \frac{1r - r_1}{k+1} = \frac{-r_d}{k+1}$$

$$a'_f = r_1 + r_d' \rightarrow r_1 + r \left(\frac{-r_d}{k+1} \right)$$

$$\rightarrow r_1 - \frac{r_d}{k+1} \Rightarrow$$

المساواة

$$1d k + 1d = r_d$$

$$k = f$$