

19,5

نام و نام خانوادگی: کبری صالح تقیانی پاسنامه تشریحی تکلیف شماره ۱۲... کلاس: چهارم متوسطه سران...

$$d = r \Rightarrow t_n = r_{n+1} \quad (الف)$$

$$\Rightarrow t_1 = r_1 + 1 = r_1 \quad (ب)$$

(۲)

$$d = r \Rightarrow 2x(4 + r^2) = r r_1 \quad (الف)$$

$$a_{29} + a_{33} + a_{41} + a_{52}$$

$$\sqrt{4} \times r = \rightarrow \boxed{1494} \quad (ب)$$

$$d = 1 - \sqrt{3}$$

$$t_{23} = 4\sqrt{3} + r_1 - 22\sqrt{3} = 23 - 18\sqrt{3}$$

$$a = 1 + \sqrt{3}$$

$$t_{25} = 2a - 22\sqrt{3}$$

$$\Rightarrow 2a - 23 - 22\sqrt{3} + 21\sqrt{3} = \boxed{2 - 2\sqrt{3}} \quad (ب)$$

$$x + y = r$$

$$\omega^{r-n} + \omega^{2n} = 4 \times \omega^n \times \omega^n$$

$$\left\{ \begin{array}{l} x^3 = r^3 \\ y^3 = r^3 \end{array} \right. \quad (ب)$$

$$r-n = r_{n+1} \Rightarrow n = r \Rightarrow y = 1$$

$$\Rightarrow \omega^{r-n} + (\omega^n \times \omega^n) = 4 \times \omega^n \times \omega^n \Rightarrow \omega^{r-n} = \omega^n \times \omega^n$$

$$r_{n-1} - r_{n+r} = r = d, \quad 4n + r_{n-r} = r_{n-r}$$

$$\Rightarrow a = -r$$

$$\Rightarrow r_n = r \Rightarrow n = \frac{1}{r}$$

$$\Rightarrow t_4 = -3 + 9 = 6 \quad (ب)$$

(۲)

$$d_b = r \Rightarrow t_b = r_n - 1$$

$$a_b = r \Rightarrow t_b = t_{br} = \omega$$

$$d_n = r$$

$$a_n = r$$

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

$$\Rightarrow r_{n+1} = r_n - 1$$

$$\Rightarrow n = r$$

✓ $n = r_1, r_2, r_3, \dots, r_{r-1}, r_r$

(y)

$$ra + rd = 10a$$

$$ra + rd = r1$$

$$\Rightarrow rd = 10a \Rightarrow d = 10$$

$$\Rightarrow a = -r1$$

✓ (1,8)

$$\frac{ar - ar + a_1}{a_1} = \frac{1}{r}$$

$$\frac{a + rd - a - d - a}{a} \Rightarrow \frac{rd}{-r1} = \frac{1}{-r}$$

$$\frac{rd}{-r1} = \frac{1}{-r}$$

$$\frac{ar - ar + a_1}{a_1} = \frac{1}{r}$$

$$a + a + d + a + rd = 10a$$

$$a + rd + a + rd = 20a$$

$$\Rightarrow \begin{cases} a + rd = 10a \\ a + rd = 20a \end{cases} \Rightarrow a + rd = 10a$$

$$\Rightarrow d = 10a \Rightarrow d = 10$$

$$\Rightarrow a = 1$$

$$t_1 = r + r1 = r9$$

(y)

$$r_1 a (a_1 + a_9) = 10 a_1 (a_1 + a_{10})$$

$$\Rightarrow a_1 + a_9 = 10 a_1 + 10 a_{10}$$

$$\Rightarrow a_1 + 10d = 10 a_1 + 10 a_1 + 9d \Rightarrow d = 10 a_1$$

$$\frac{10 a_1}{10 a_1} = 1$$

(y)

$$a = 11$$

$$\Rightarrow a_1 = 11 \Rightarrow 11 + rd = 11 \Rightarrow d = -1$$

$$a + 9d = 11 \Rightarrow d = 1$$

$$11 + 11 = 22$$

$$a_1 = 11$$

$$\Rightarrow \frac{11 - 11}{m+1} = d \rightarrow \frac{-11}{m+1} = -1 \Rightarrow -11 = -1(m+1)$$

$$\frac{-11}{m+1} = -1 \Rightarrow -11 = -1(m+1)$$

$$\Rightarrow -11 = -1(m+1)$$

$$\Rightarrow -11 = -1(m+1)$$

$$\Rightarrow m = 10$$