

نام و نام خانوادگی یادداشت پاسخنامه تشریحی تکلیف شماره ۱۱۱ کلاس (م ۲۲۲) ۹۲

$$a(1+r+r^2) = 21$$

$$a^3 r^3 = 64$$

$$ar = 4$$

$$a = \frac{4}{r}$$

$$\frac{4}{r}(1+r+r^2) = 21$$

$$4r^2 - 17r + 4 = 0 \rightarrow \text{دو کمره}$$

$$r_1 = 4 \rightarrow \text{و اولی را} \rightarrow \text{اینجا} \rightarrow \boxed{r_2 = \frac{1}{4}}$$

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$$\frac{4}{r}(1+q+q^2+q^3+q^4) = \left(\frac{121}{11}\right) \times 4$$

$$a + aq + aq^2 + aq^3 + aq^4 = 35 \rightarrow \boxed{r}$$

$$\frac{4}{r} = q \rightarrow \boxed{q = 2}$$

$$A = 1$$

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$$1431/4 = 357/4$$

$\frac{4}{r}$
x ۲۵

$$\frac{4r-1}{4} = 10/5$$

$$B = 31/5$$

$$2525 \rightarrow 1, 7, 5$$

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$$- 25 - 3, 7, 5 \rightarrow$$

$$- 25 + \frac{25}{10} \times 10 = 1$$

$$121 \times q^5 = 4$$

$$\boxed{q^5 = \frac{1}{121}}$$

$$\boxed{q = \frac{1}{11}}$$

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$$a+rd, a+rd, a+rd \rightarrow -rd, -rd, -rd$$

$$(a+rd)(a+rd) = (a+rd)^2$$

$$a^2 + rad + rad + rd^2 = a^2 + 2rd + rd^2 \quad q = \frac{-rd}{-rd} = \frac{1}{r}$$

$$\frac{d}{rd} = \frac{1}{r}$$

$$-rd = a$$

$$a+rd, a+rd, a+rd$$

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

$$(a+rd)(a+rd) = (a+rd)^2$$

$$q_1 = \frac{1}{r}$$

$$a^2 + rad + ad + rd^2 = a^2 + rad + rd^2 \rightarrow rd, rd, rd$$

$$rad = rd^2$$

$$a = d$$

$$\frac{1}{r} \times \frac{1}{r} = \frac{1}{r^2}$$

$$rar^r - rar = ar^r - rar^r \rightarrow a_r - a_1 = a_r - a_r \rightarrow \frac{1}{r}$$

$$r - r = r^r - r$$

$$(r-1)(r-1) = 0 \quad r \neq 1 \rightarrow \frac{1}{r}$$

$$\boxed{r=1}$$

$$d = -\frac{1}{r}$$

$$a_r = \frac{\omega}{r}, a_1 = \frac{1}{r}, a_{10} = -1$$

$$a_1 = r$$

$$\left(\frac{1}{r} + kr\right) (k-1) \left(\frac{\omega}{r} + k\right)$$

$$kr + \frac{1}{r}k + \frac{1}{r} = kr + \frac{1}{r}k - \frac{\omega}{r} \rightarrow \frac{1}{r}k = \frac{\omega}{r}$$

$$r = \frac{-\omega}{-r} = \frac{\omega}{r}$$

$$a_r = -r, a_1 = -\omega, a_{10} = -\frac{\omega}{r} = -\frac{1}{r} = -\frac{1}{r}$$

$$a_1, a_1+d, a_1+qd$$

$$r(a+d) = a + (a+qd) \Rightarrow$$

$$ra_r = a_1 + a_{10}$$

$$ra + rd = ra + qd \Rightarrow rd = 0 \quad \boxed{d=q}$$

$$\Rightarrow \frac{1}{r} \times \frac{1}{r} = \frac{1}{r^2}$$

$$1.$$