

تکلیف
تکلیف شما کاملاً مشابه عرفان میزنی بود، نحوه شما صحیح و فاخر است.

$$a_1 + a_r + a_r = 21$$

$$a_1 \cdot a_r \cdot a_r = 48 \rightarrow a \cdot aq \cdot aq^r \quad (aq)^r = 48 \quad aq = 4 \Rightarrow a = \frac{4}{q}$$

$$4(1 + q + q^r) = 219 \Rightarrow 4q^r - 17q + 4 = 0 \rightarrow q = \frac{17 \pm \sqrt{17^2 - 4 \cdot 4}}{2 \cdot 4} = \frac{17 \pm 15}{8}$$

$$q = 4 \quad \alpha \rightarrow \text{چون 4 منتهی به 1 است}$$

$$q = \frac{1}{4} \quad \checkmark$$

1,175

$$a_1 = x + 4 \quad a_r = 2x \quad a_r = x^r - 2 \quad (2x)^r = (x + 4)(x^r - 4)$$

$$(2x)^r - (x + 4)(x^r - 2) = 0 \Rightarrow -(x - 2)(x + 2)(x^r + 2) = 0$$

$$a_1 = x + 4 = 1 \quad a_r = 2x^r = 4 \quad a_r = 2 \quad S_r = a_1 \frac{1 - q^r}{1 - q} = 1 \times \frac{1 - (1/2)^r}{1 - 1/2} = \frac{1 - 1/2^r}{1/2}$$

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2 ✓

$$1 + q + q^r + q^r + q^r = \frac{121}{11} \quad a_1 = 243 \quad q = 0.4 \quad (\div 2)$$

$$S_0 = a_1 \frac{1 - q^0}{1 - q} = 243 \times \frac{1 - 1}{1 - 0.4} \Rightarrow S_0 = 404$$

$$a_1(1 + q + q^r + q^r + q^r) = 243 \times \frac{121}{11} = \frac{12}{1} \checkmark$$

$$a = \frac{4^4 - 1}{4} = 101 \quad d = \frac{41}{4}$$

$$A = 1 + 3d = 1 + 3\left(\frac{41}{4}\right) = \frac{40}{4}$$

$$B = r^r = r^r = 1$$

$$A + B = 1 + \frac{40}{4} = \frac{41}{4}$$

$$q = 2 \rightarrow B = 1$$

$$q = -2 \rightarrow B = -1$$

توجه

$$a_v = a_1 \times 4^4 \Rightarrow 48 = 1 \times 4^4 \rightarrow q = \pm 2$$

$$d = \frac{1}{4} \Rightarrow a_{1,1} = -48 + 20 = 1 \Rightarrow t_1 = 1, t_1 = 2^r \Rightarrow q = \frac{1}{2}$$

2 ✓

$$a_r = a + rd \quad a_v = a + vd \quad a_1 = a + nd$$

$$(a + rd)' = (a + rd)(a + nd)$$

$$(a + rd)^r = (a + rd)(a + nd) \Leftrightarrow rad + rd^r = 0 \Rightarrow rd(a + d) = 0$$

$$d = 0$$

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

Ⓟ ✓

$$a_r = A + rd \quad a_E = A + vd \quad a_n = A + vd \quad (A + rd)' = (A + rd)(A + vd)$$

$$g_1 = gr^q \cdot \frac{1}{2}(r^q) = r^v = 12n$$

Ⓟ ✓

$$rgr \quad rgr^r \quad gr^w \quad rgr^r - rgr = gr^r - rgr^r \quad \text{eg } rr - r = r^r - r^r$$

$$r^r - r + r = 0 \Rightarrow (r-1)(r-r) = 0 \quad \boxed{r = r}$$

Ⓟ ✓

$$a_E = a + rd \quad a_n = a + vd \quad a_1 = a + rd$$

$$(a + vd)' = (a + rd)(a + vd) \quad (a + vd)' = (a + rd)(a + vd)$$

$$a^r + rad + rd^r = a^r + rad + rd^r \Rightarrow -ad + rd^r = 0 \quad r = \frac{a + vd}{a + rd} = \frac{rd + vd}{rd + rd}$$

$$r = \frac{r \cdot}{19} = \frac{0}{E}$$

Ⓟ ✓

$$a(1 + r^r r') = vr \quad ar^r = a + d' \quad ar^r = a + rd' \quad a + rd' = ar^r \quad d' = ar^r - a = a(r^r - 1)$$

$$a + ra \quad (r^r - 1) = ar^r \Rightarrow gr^r - 1 = r^r$$

$$a(1 + n + 4E) - vr a = vr \Rightarrow a = 1$$

$$\boxed{d = v}$$

$$r = 1 \rightarrow d = 0$$

د ه غايل قيواس

Ⓟ 1,5