

A $\frac{m}{1}$

1 $\frac{m}{1}$

2000/01/01

Subject:

Date:

$$f(n) = \sqrt{\log_y(n+1)} \quad g(n) = \sqrt{2n^2 + 12n - 15} = \sqrt{-(n-2)^2} \rightarrow \text{báo } n=2 \quad (1)$$

$$g \circ f(n) = g(f(n)) = \sqrt{-(\log_y(n+1) - 2)^2} \Rightarrow -(\log_y(n+1) - 2)^2 \geq 0 \rightarrow (\log_y(n+1) - 2)^2 \leq 0$$

$$n-1 > 0 \Rightarrow n > 1$$

$$n=1 \Rightarrow \log_y(n+1) = 1$$

$$\log_y(n+1) = 1 \Rightarrow \sqrt{\log_y(n+1)} = 1$$

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$$D g \circ f(n) = \boxed{1}$$

$$f \circ g(n) = 2(n^2 - 12n + 15) - 15 = 2n^2 - 24n + 15 \quad (2)$$

$$g \circ f(n) = (2n^2 - 12n + 15) - 15 = 2n^2 - 24n + 15$$

$$\Rightarrow 2n^2 - 24n + 15 = 2n^2 - 24n + 15 \Rightarrow 2n^2 - 24n + 15 = 0 \rightarrow \alpha^2 + \beta^2 = \gamma^2 - \delta^2$$

$$S = -\frac{b}{a} = \frac{12}{2} = 6 \quad P = \frac{c}{a} = \frac{15}{2} \Rightarrow \log_y V = 6 \Rightarrow V = 6^2 = 36$$

$$g(f(n)) = 2n^2 + 11 \Rightarrow g(2n) = 2(2n)^2 + 11 = 8n^2 + 11 \quad \frac{2n=t}{n=\frac{t}{2}} \rightarrow g(t) = \frac{8t^2}{4} + 11 = 2t^2 + 11 \quad (3)$$

$$g(n-2) \rightarrow \frac{2(n-2)^2}{4} + 11 = \frac{2n^2 - 8n + 8}{4} + 11 = \frac{2n^2 - 8n + 8 + 44}{4} = \frac{2n^2 - 8n + 52}{4} = \frac{n^2 - 4n + 26}{2}$$

$$f \circ g(n) = f(g(n)) = 2(g(n)) - 15 = 2(2n^2 + 11) - 15 = 4n^2 + 22 - 15 = 4n^2 + 7 \quad (4)$$

$$g \circ f(n) \rightarrow (2n^2 - 12n + 15) - 15 = 2n^2 - 12n + 15$$

$$2n^2 + 15 - 12n - 15 = 2n^2 - 12n = 2n(n-6)$$

$$f-g = -n+1 \rightarrow 2f(n) - 2g(n) = -2n+2 \rightarrow (2f(n) - 2g(n) = -2n+2) \Rightarrow g(n) = n-1 \quad (5)$$

$$2f(n) - 2g(n) = -2n+2$$

$$f(g(n)) = 2(g(n)-1) + 1 = 2n-1$$

$$f \circ g(n) = \frac{2}{a} n + \frac{1}{a}$$

$$\frac{2}{a} = 2 \Rightarrow a = 1$$

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V_s



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$$n = -1 \Rightarrow g(1 - \frac{\epsilon}{-1}) = -a - \epsilon \Rightarrow \Lambda = -a - \epsilon \Rightarrow \boxed{a - \epsilon - 1\epsilon}$$