SEQUENCES · GRADE 11

Sequences · Grade 11

Read each question carefully. They're not all the same kind of question.

Name _____ Date _____ Score _____ / 6

01 What are the first four terms of $t_n = 4n - 4$?

Answer: _____

02 Is 24, 12, 6, 3, … arithmetic, geometric, or neither?

Answer: _____

03 $t_1 = 1, t_n = 3t_{n-1}$. What are the first four terms?

Answer: _____

04 Is 4, 6, 11, 13, … arithmetic, geometric, or neither?

Answer: _____

05 What are the first four terms of $t_n = 2(5)^{n-1}$?

Answer: _____

06 For f(n) = 9n + 8, what is f(9)?

Answer: _____

Sequences · Grade 11 (Answer Key)

Read each question carefully. They're not all the same kind of question.

01 What are the first four terms of $t_n = 4n - 4$?

0, 4, 8, 12

02 Is 24, 12, 6, 3, ... arithmetic, geometric, or neither?

geometric, r = $\frac{1}{2}$

03 $t_1 = 1, t_n = 3t_{n-1}$. What are the first four terms?

1, 3, 9, 27

04 Is 4, 6, 11, 13, ... arithmetic, geometric, or neither?

neither

05 What are the first four terms of $t_n = 2(5)^{n-1}$?

2, 10, 50, 250

06 For f(n) = 9n + 8, what is f(9)?

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