

Comparing Arithmetic and Geometric Sequences

Date _____ Period _____

For each sequence, state if it is arithmetic, geometric, or neither.

1) 1, 3, 6, 10, 15, ...

2) 40, 43, 46, 49, 52, ...

3) $4, \frac{13}{3}, \frac{14}{3}, 5, \frac{16}{3}, \dots$

4) $-4, 12, -36, 108, -324, \dots$

5) 4, 16, 36, 64, 100, ...

6) $-29, -34, -39, -44, -49, \dots$

7) 1, 5, 25, 125, 625, ...

8) 1, 4, 9, 16, 25, ...

9) $-34, -26, -18, -10, -2, \dots$

10) 0, 3, 8, 15, 24, ...

11) $a_n = -163 + 200n$

12) $a_n = 16 + 3n$

13) $a_n = -4 \cdot (-3)^{n-1}$

14) $a_n = -\frac{3}{4} + \frac{3}{2}n$

Arithmetic And Geometric Sequences Practice

Patricia Juelg



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