

Name: _____

Date: _____

Comparing Arithmetic and Geometric Sequences

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

1) 40, 43, 46, 49, 52, ...

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

3) $a_n = 43 + 4n$

4) 1, 3, 6, 10, 15, ...

5) $a_n = 163 + 200n$

6) $a_n = (2n)^2$

7) $a_n = 16 + 3n$

8) 4, 36, 64, 100, ...

9) $a_n = (-3)^{n-1}$

10) $a_n = 2 \cdot (-3)^{n-1}$



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Arithmetic

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Geometric

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4) 1, 3, 6, 10, 15, ...

Neither

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Arithmetic

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10) $a_n = 2 \cdot (-3)^{n-1}$

Geometric