

Name: _____

Sequences | 3.8

Ready, Set, Go!



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Ready

Topic: Comparing arithmetic and geometric sequences

1. How are arithmetic and geometric sequences similar?

2. How are they different?

Set

Topic: Arithmetic sequences

Each of the tables below represents an arithmetic sequence. Find the missing terms in the sequence, showing your method.

3. Table 1

x	1	2	3
y	3		12

4. Table 2

x	y
1	2
2	
3	
4	26

5. Table 3

x	y
1	24
2	
3	6
4	

6. Table 4

x	y
1	16
2	
3	
4	4
5	

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Go

Topic: Sequences

Then determine the recursive and explicit equations for each (if the sequence is not arithmetic or geometric, try your best).

7. 5, 9, 13, 17, ... This sequence is: Arithmetic, Geometric, Neither

Recursive Equation: _____ Explicit Equation: _____

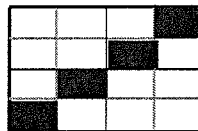
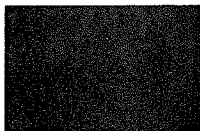
8. 60, 30, 0, -30, ... This sequence is: Arithmetic, Geometric, Neither

Recursive Equation: _____ Explicit Equation: _____

9. 60, 30, 15, $\frac{15}{2}$, ... This sequence is: Arithmetic, Geometric, Neither

Recursive Equation: _____ Explicit Equation: _____

10.



(The number of black tiles above) This sequence is: Arithmetic, Geometric, Neither

Recursive Equation: _____ Explicit Equation: _____

11.. 4, 7, 12, 19, ... This sequence is: Arithmetic, Geometric, Neither

Recursive Equation: _____ Explicit Equation: _____

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