

READY, SET, GO!

Name

Date

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	

Topic: Sequences

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

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

Recursive Equation: _____ Explicit Equation: _____

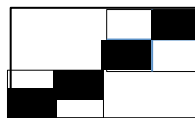
8. 60, 30, 0, -30, ... This sequence is: Arithmetic , Geometric , Neither

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: _____