

READY, SET, GO!

Name _____

Period _____

Date _____

READY

Topic: Common Ratios

Find the common ratio for each geometric sequence.

1. 2, 4, 8, 16...

2. $\frac{1}{2}$, 1, 2, 4, 8...

3. -5, 10, -20, 40...

4. 10, 5, 2.5, 1.25...

SET

Topic: Recursive and explicit equations

Fill in the blanks for each table; then write the recursive and explicit equation for each sequence.

5. Table 1

x	1	2	3	4	5
y	5	7	9		

Recursive: _____ Explicit: _____

6. Table 2

x	y
1	-2
2	-4
3	-6
4	
5	

Recursive:

Explicit:

7. Table 3

x	y
1	3
2	9
3	27
4	
5	

Recursive:

Explicit:

8. Table 4

x	y
1	27
2	9
3	3
4	
5	

Recursive:

Explicit: