

Worksheet 1. Writing patterns as expressions
Algebra

Name _____
Period _____

For each sequence of numbers given, write an expression for the n th term of the sequence. Use the chart to show that your expression works for all the numbers given.

9, 18, 27, 36,

n	Rule	Term
1		
2		
3		
4		
5		
n		

8, 15, 22, 29, ...

n	Rule	Term
1		
2		
3		
4		
5		
n		

3.5, 5, 6.5, 8, 9.5

n	Rule	Term
1		
2		
3		
4		
5		
n		

3, 9, 27, 81, 243

n	Rule	Term
1		
2		
3		
4		
5		
n		

The odd numbers.

n	Rule	Term
1		
2		
3		
4		
5		
n		