	ne:			·	Period:	
8 5	Simplify.					
	3 ¹	2.	3 ²	3.	3^3	4. 3 ⁴
	-3^{2}	6.	$(-3)^2$	7.	- 3 ³	8. $(-3)^3$
9. $f(x) = 2^x$; find $f(1)$, $f(2)$, and $f(3)$. 10. $g(x) = 3^x$; find $g(1)$, $g(2)$, and						
1.	h(x) = 2(x - 1)	.) + 3; find	h(1), h(2), and	d h(3).		
	13 Complete each i	table to con	inue the patteri	n. Write the recurs	ive and explici	t equations.
2.	Term 1 st 2 nd	3 rd 4 th	5 th	6 th	7 th	8 th
	Value 66 50	34 18				
	Write the recursive	<u>uation</u>				
		d 3 rd 4 th	5 th	6 th	7 th	8 th
š .	Term 1 st 2 nd					
3.	Term 1 st 2 nd Value -9 -2					

14. You run a business making birdhouses. You spend \$600.00 to start your business, and your cost to make each

3

4

5

Write the explicit equation

6

7

2

1

birdhouse is \$5.00.

Write the recursive rule

Number of birdhouses

Total cost to build

built

Explanations:

15.	You borrow \$500.00 from a relative, and	you agree to pay back the	debt at a rate of \$15.00	ner month
13.	Tou borrow \$300.00 from a relative, and	you agree to pay back me	uedi ai a raie di \$15.00	per monui.

Number of months	1	2	3	4	5	6	7
Amount of							
money owed							

Explanations:

Write the recursive rule

Write the explicit equation

16. You earn \$15 per week.

Number of weeks	1	2	3	4	5	6	7
Amount of							
money earned							

Explanations:

Write the recursive rule

Write the explicit equation

Use the sequence

3, 7, 11, 15, 19, ... to answer questions 17- 22.

17. What term has a value of 15?

f(3) =**18.**

19. What is the common difference?

- f(6) =20.
- Write the RECURSIVE FORM of the rule. (Remember, two equations.) 21.
- Write the EXPLICIT equation. 22.