Period:	IW 4-1 econdary Math 3 Lite									Name: Period:		
ind the next 3 terms in the patterns and fill out all other information. $\overline{\text{Term}}$ $\overline{0}$ $\overline{1}$ $\overline{2}$ $\overline{3}$ $\overline{16}$ Initial Value:												
Term       0       1       2       3       Image: Common Factor:	nd the next	3 tern	ns in	the pa	attern	s and fil	l out	all oth	er informa	ntion.		
Term       0       1       2       3       Image: Common Factor:			_									
Value       2       4       8       16       Common Factor:         Initial Value:	Term	0	1	2	3							
Initial Value:       Common Factor:         Recursive:       Explicit:         What is the value at term 8?       Explicit: $1 \ 2 \ 3 \ 125 \ 625 \ 125 \ 125 \ 625 \ 125 \ 125 \ 625 \ 125 \ 125 \ 625 \ 125 $	Value	2	4	8	16							
Initial Value:		T		. 1								
Recursive:       Explicit:         What is the value at term 8?		Initial Value:								Common Factor:		
What is the value at term $8?$ Term       0       1       2       3		Recursive:								Explicit:		
Term       0       1       2       3	What is the value at term 8?											
Term       0       1       2       3	_											
Value       5       25       125       625         Initial Value:         Common Factor:         Recursive:         Term -3       -2       -1       0	Term	0	1		2	3						
Initial Value:        Common Factor:          Recursive:        Explicit:          What is the value at term 10?	Value	5	25	12	25	625						
Initial Value:       Common Factor:										_		
Recursive:       Explicit:         What is the value at term 10?		Init	tial V	alue:						Common Factor:		
What is the value at term 10?		Ree	cursiv	/e:						Explicit:		
Term $-3$ $-2$ $-1$ $0$ $10$ Value       4       16       64       256 $10$ Initial Value:	What is the value at term 10?											
Term       -3       -2       -1       0 $\Box$ Value       4       16       64       256 $\Box$ Initial Value:												
Value         4         16         64         256           Initial Value:          Common Factor:            Recursive:          Explicit:            What is the value at term 8?	Term	-3	-2	-1		0						
Initial Value:       Common Factor:         Recursive:       Explicit:         What is the value at term 8?       Explicit:         etermine the 8 <sup>th</sup> term in each sequence       5. 9, 27, 81,	Value	4	16	64	4 2	256						
Recursive:		Ini	tial V	ماييو.						Common Factor		
Recursive:												
What is the value at term 8?etermine the 8 <sup>th</sup> term in each sequence1, 5, 25,5. 9, 27, 81,										Explicit:		
etermine the 8 <sup>th</sup> term in each sequence 1, 5, 25, 5. 9, 27, 81,	What	is the	valu	e at te	erm 8	?						
etermine the 8 <sup>th</sup> term in each sequence         1, 5, 25,         5.         9, 27, 81,												
1, 5, 25, 5. 9, 27, 81,	etermine the	$e 8^{th} te$	erm ir	each	ı sequ	ence						
	1, 5, 25	<b>)</b> ,								5. 9, 27, 81,		

6. During the fall of 2012 there was an outbreak of a new strand of flu in the United States. In the first week there were 27 cases, second week 81 cases, and third week 243.

a. Write an explicit equation to represent the growth of this flu strand.

b. How many cases of the flu will be present after 6 weeks?