Name:				Period:						S	Score:/												
HW 3-3 HONORS: Geometric Recursive & Ex				& Ex	plicit Equations							-			/			%					
a) '	each of t Write the graph eac	e recur	sive	equa	atio	n ai	nd I						eacl	h ge	om	etrio	c se	que	nce.				
1. 2	2, 4, 8,	16									3. Cla (mon half mon	nth of w	0). 9	She	dec	ide	s sł	ie is	goi	ing	to t	ake (
a) _											a)												
b) _											b)												
2.		Number of cell 3 6 12 24	er ls								4. Ta four frien	of h	cre er f	ates	s a c	chai	n le	: : : : : : : : : : : : : : : : : : :	. Ea	d sech	end:	s it to	
											a) b) c)												

	Sequences , do the following: atio b) recursive equation	c) explicit equation
5.) 2, 10, 50,	6.) 36, 12, 4,	7.) 4, 12, 36,
a)	a)	_ a)
b)	b)	b)
c)	c)	c)
8.) 400, 100, 25,	9.) -6, -42, -294,	10.) 1024, 128, 16,
a)	a)	_ a)
b)	b)	b)
c)	c)	c)
11.) 3, 15, 75,	12.) 45, 15, 5,	13.) 4, 32, 256,
a)	a)	_ a)
b)	b)	b)
c)	c)	c)
14.) 200, 40, 8,	15.) -6, -36, -216,	16.) -392, -56, -8,
a)	a)	a)
b)	b)	b)
c)	c)	c)

Write the **explicit equation** for each geometric sequence, then **USE IT** to find the given term.

19.)
$$\frac{2}{625}$$
, $\frac{2}{125}$, $\frac{2}{25}$, ... Find the 7th term 20.) 45, 15, 5, ... Find the 8th term

23.) 3, 6, 12, Find the
$$13^{th}$$
 term.

24.).
$$\frac{1}{2}$$
, $\frac{1}{4}$, $\frac{1}{8}$ Find the 10th Term