Name _			_ Date	Class
LESSON	Practice A			
12-2	Series and Summation N	lotati	on	
Use su	immation notation to write each ser	ies.		
1.2 -	+ 4 + 8 + 16 + 32 + 64			
<b>a.</b> Fin	nd a rule for the <i>k</i> th term.	b.	Write the notat	ion for the first 6 terms.
<b>2.</b> –6	6 - 5 - 4 - 3 - 2	3.	4 + 7 + 10 +	13 + 16 + 19
<b>4.</b> 2 -	+ 8 + 18 + 32	5.	-3 + 9 - 27 -	+ 81 – 243
<b>6.</b> 16	+ 12 + 8 + 4 + 0 - 4 - 8	7.	-1 - 4 - 9 -	16 – 25
Expand 8 $\sum^{7}$	d each series. Then evaluate. $2k^2$	_		
0. ∠ k=3	3			
а.	Expand by replacing <i>k</i> .			
<b>b</b> .	Simplify.		10	
9. 2	$\frac{2}{k}$	10.	$\sum_{k=10}^{10} (k-7)$	
<i>k</i> =1	R		k=5	
а.	Expand.		a. Expand.	
b.	Simplify		<b>b.</b> Simplify.	
4			2 <u>5</u>	
<b>11.</b> $\sum_{k=2}^{k=2}$	5(2^)	12.	$\sum_{k=21} 3(20-k)$	
a.	- Expand		<b>a.</b> Expand	
b.	Simplify.		<b>b.</b> Simplify.	
Solve				
<b>13.</b> Tra	acy deposits \$16 into her savings acco	ount eac	h week.	
а.	Write a series to represent how much	she wil	l	
b.	Nave deposited in <i>n</i> weeks. Write a series to represent how much have deposited in one year.	she wil	I	
c.	How much will she have deposited in	one yea	ar?	

