

Name: \_\_\_\_\_ Date: \_\_\_\_\_

## Some More Summations

1. Write each summation notation problem as a string of numbers added together.

a)  $\sum_{n=9}^{14} n$

b)  $\sum_{h=0}^4 4n$

c)  $\sum_{k=3}^8 (2k^2+5)$

2. Write each addition problem in summation notation.

a)  $4+5+6+7+8+9+10+11+12+13+14+15$

b)  $7+9+11+13+15+17+19+21+23+25$

c)  $8+11+14+17+20+23+26+29+32+35+38$

Fill in the missing entries in the following In&Out tables.

3.

<i>In</i>	<i>Out</i>
2	4
4	6
5	7
9	11
_____	17
<i>n</i>	_____

5.

<i>In</i>	<i>Out</i>
2	5
4	9
5	11
8	17
_____	25
<i>k</i>	_____

4.

<i>In</i>	<i>Out</i>
1	3
4	12
5	15
8	24
_____	30
<i>r</i>	_____

6.

<i>In</i>	<i>Out</i>
3	14
5	24
6	29
8	39
_____	9
<i>p</i>	_____