

Name: _____ Class: _____ Date: _____

Worksheet 8

Writing Formulae

1 Let T stand for the n th number in each pattern.

(a)

n	1	2	3	4	5
T	3	6	9	12	15

$T =$

(b)

n	1	2	3	4	5
T	5	9	13	17	21

$T =$

(c)

n	1	2	3	4	5
T	5	7	9	11	13

$T =$

(d)

n	1	2	3	4	5
T	2	7	12	17	22

$T =$

2 The formula for the n th number in a sequence is:

$$2n + 4$$

(a) Find the 4th number.

(b) Find the 15th number.

(c) Find the 100th number.

(d) Find the sum of the first 10 numbers in the sequence.