

# Sequences

Name:	Class:	Date:
	Mark	/ 10 %

- 1) Find the next 2 terms [2]
- a) 7, 12, 17, 22, 27,
- b) 106, 103, 100, 97, 94,
- 2) Write the term-to-term rule for the sequence below. [2]
- a) 111, 107, 103, 99, 95
- b) 103, 108, 113, 118, 123
- 3) Find the first four terms of the sequence [2]
- a) 1st term is 7 and term-to-term rule is add 6
- b) 1st term is 29 and term-to-term rule is subtract 4
- 4) Find the first four terms of the sequence given [2]
- a)  $n^{\text{th}}$  term =  $5n + 88$
- b)  $n^{\text{th}}$  term =  $25 - 2n$
- 5) Find a formula for the  $n^{\text{th}}$  term of the sequence [2]
- a) 6, 9, 12, 15, 18
- b) 90, 87, 84, 81, 78

## Solutions for the assessment Sequences

1) a) 32, 37

b) 91, 88

2) a) subtract 4

b) add 5

3) a) 7, 13, 19, 25

b) 29, 25, 21, 17

4) a) 93, 98, 103, 108

b) 23, 21, 19, 17

5) a)  $3n + 3$

b)  $93 - 3n$