

Name: _____
YEAR 11 MINI-ASSESSMENT 14
FOUNDATION – SEQUENCES

1. Find the missing terms in each sequence..

(a) 7, 19, 31, ____, ____

(1)

(b) 40, 20, 10, 5, ____, ____

(2)

(c) 1, 3, 6, 10, 15, 21, ____, ____

(2)

[5 marks]

2. (a) Find the n th term for the sequence 12, 7, 2, -3, -8,

(2)

(b) Another sequence has the n th term $4n + 7$.
Danielle says that 187 is in the sequence.
Is she correct? You must explain your reasoning.

(2)

[5 marks]

3. An n th term for a sequence is given by $4n^2 + 11$.

(a) What are the first three terms in this sequence?

(3)

(b) 687 is a term in the sequence. Which term?

(2)

[5 marks]