

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

1. Find the missing terms in each sequence..

(a) 5, 12, 19, ____, ____

(1)

(b) 2, 6, 18, ____, ____

(2)

(c) 1, 1, 2, 3, 5, 8, ____, ____

(2)

[5 marks]

2. (a) Find the n th term for the sequence 3, 12, 21, 30, 39,

(2)

(b) Another sequence has the n th term $5n + 3$
Mark says that 102 is in the sequence.
Is he correct? You must explain your reasoning.

(2)

[5 marks]

3. An n th term for a sequence is given by $2n^2 - 7$.

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

(3)

(b) 331 is a term in the sequence. Which term?

(2)

[5 marks]