

## SEQUENCES

1) For each of the following sequences, write down the first 5 terms and the 100<sup>th</sup> term.

(a)  $n^{\text{th}}$  term =  $3n - 2$       (b)  $n^{\text{th}}$  term =  $4n + 5$       (c)  $n^{\text{th}}$  term =  $13 - 4n$

2) Find the  $n^{\text{th}}$  term for each of the following sequences:

(a) 2, 5, 8, 11, 14, ...    (b) 1, 5, 9, 13, 17, ...    (c) 1, 3, 5, 7, 9, ...  
(d) 23, 18, 13, 8, 3, ...    (e) 2, 6, 10, 14, 18, ...    (f) 31, 27, 23, 19, 15, ...  
(g) 10, 4, -2, -8, -14    (h) -5, -1, 3, 7, 11    (i) -1, -4, -7, -10, -13

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