

General term (nth term)

1. Find the nth term of the following sequence

(a) 35 41 47 53,

$d = \underline{\hspace{2cm}}$   $a = \underline{\hspace{2cm}}$

nth term =  $\underline{\hspace{4cm}}$

(b) 4 11 18 25

$d = \underline{\hspace{2cm}}$   $a = \underline{\hspace{2cm}}$

nth term =  $\underline{\hspace{4cm}}$

(c) 7 5 3 1 -1,

$d = \underline{\hspace{2cm}}$   $a = \underline{\hspace{2cm}}$

nth term =  $\underline{\hspace{4cm}}$

(d) 73 66 59 52

$d = \underline{\hspace{2cm}}$   $a = \underline{\hspace{2cm}}$

nth term =  $\underline{\hspace{4cm}}$

(e) 5 8 11 14

$d = \underline{\hspace{2cm}}$   $a = \underline{\hspace{2cm}}$

nth term =  $\underline{\hspace{4cm}}$

(f) 6 11 16 21

$d = \underline{\hspace{2cm}}$   $a = \underline{\hspace{2cm}}$

nth term =  $\underline{\hspace{4cm}}$

(g) 126 122 118 114,

$d = \underline{\hspace{2cm}}$   $a = \underline{\hspace{2cm}}$

nth term =  $\underline{\hspace{4cm}}$

(h) 2 9 16 23

$d = \underline{\hspace{2cm}}$   $a = \underline{\hspace{2cm}}$

nth term =  $\underline{\hspace{4cm}}$

(i) -1 3 7 11

$d = \underline{\hspace{2cm}}$   $a = \underline{\hspace{2cm}}$

nth term =  $\underline{\hspace{4cm}}$

(j) 21 17 13 9

$d = \underline{\hspace{2cm}}$   $a = \underline{\hspace{2cm}}$

nth term =  $\underline{\hspace{4cm}}$

2. Here are the first five terms in a sequence.

7 11 15 19 .....

Find an expression for the  $n$ th term of this sequence.

..... [2]