Algebra - Sequences

Here are the first five terms of an arithmetic sequence.

2 6 10 14 18

(a) Find, in terms of n, an expression for the nth term of this sequence.

.....

(2)

(b) An expression for the nth term of another sequence is $10 - n^2$

(i) Find the third term of this sequence.

.....

(ii) Find the fifth term of this sequence.

.....

(2)

Algebra - Sequences

Here are the first five terms of an arithmetic sequence.

4	8	12	16	20
2	6	10	14	18

Rule
+4

(a) Find, in terms of n, an expression for the nth term of this sequence.

n^{th} term $= 4n - 2$

n^{th} term $= 4n - 2$

(2)

(b) An expression for the nth term of another sequence is $10 - n^2$

(i) Find the third term of this sequence.

$10 - 3^2$
$= 10 - 9$
$= 1$

1

(ii) Find the fifth term of this sequence.

$10 - 5^2$
$= 10 - 25$
$= -15$

-15

(2)