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.

(b) An expression for the *n*th 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)

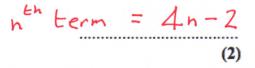
Algebra - Sequences

Here are the first five terms of an arithmetic sequence.

Rule	20	16	12	8	4	
	18	14	10	6	2	
+4						

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

 n^{th} term = 4n-2

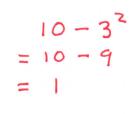


- 15

(2)

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

(i) Find the third term of this sequence.



10-52

= 10 - 25

= -15

(ii) Find the fifth term of this sequence.