



QT Sequences

1. The first four terms in a sequence are

7 13 19 25

- (a) Write down the next two terms in the sequence.
- (b) Explain how you got your answer.

2. The n th term of a sequence is $4n + 4$

- (a) Find the first two terms of this sequence
- (b) Is 32 a term in the sequence? Show how you got your answer.

3. The n th term of a sequence is $n^2 + 5$

- (a) Find the first three terms of the sequence
- (b) Find the 12th term in the sequence.



4. Here are the first five terms of a sequence

32 26 20 14 8

- (a) Find the first negative term in the sequence
- (b) Is -30 a term in the sequence? Give a reason for your answer.

5. The first 5 terms of an arithmetic sequence are 5 7 9 11 13

Find an expression, in terms of n , for the n th term of this sequence

6. The first 5 terms of an arithmetic sequence are 0 -2 -4 -6 -8

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