

5 (a) These are the first 5 terms of a sequence.

1 8 27 64 125

Find the 10th term of this sequence.

..... [1]

(b) These are the first 5 terms of a different sequence.

5 8 13 20 29

Find the n th term of this sequence.

..... [2]

(c) The **sum of the first n terms** of another sequence is $\frac{n}{2}(5n - 1)$.

(i) Use $n = 2$ to find the sum of the first two terms in this sequence.

..... [1]

(ii) Find the 3rd term of this sequence.

..... [2]