## Sequences \& Series (Q 5, Paper 1)

## Lesson No. 9: Proving a Sequence is Geometric

2002
5 (c) The first three terms of a geometric sequence are
$k-3,2 k-4,4 k-3, \ldots \ldots$
where $k$ is a real number.
(i) Find the value of $k$.
(ii) Hence, write down the value of each of the first four terms of the sequence.

## Answers

2002
5 (c) (i) $k=7$
(ii) $4,10,25, \frac{125}{2}$

