Sum of terms of Geometric Series

Proof:

Examples

1. Find the sum of the first 10 terms of the following sequences

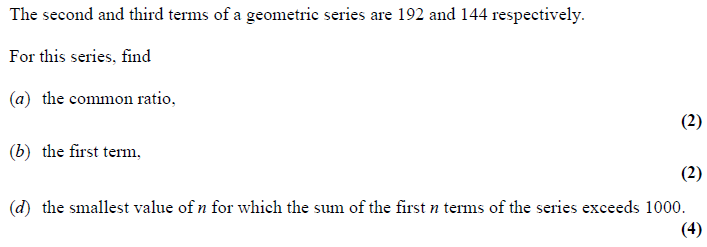
a)

b)

Example

Find the least value of such that the sum of to terms would exceed 2 000 000.

Test Your Understanding



Extension

MAT 2010 1B]

The sum of the first terms of

is



Ex 3D Pg 72