

WORKING AT B/C

(1) A geometric series has first term 10 and third term 6.4. Find the sum to infinity of the series,

WORKING AT A*/A

(1) The 5^{th} term of a geometric series is 0.01 and the 8th term is -0.00001

Find the sum to infinity of the series,

(2) A geometric series has first 3 terms 4p, p - 0.8and $\frac{4}{25}p$ where p is a constant.

> Given that $S_{\infty} = 20$ and all the terms in the series are positive, find the value of *p*.

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50(1-r)r = 12