**3E Geometric Sum to Infinity**

1. For the following series:
2. Find the sum of the first 10 terms
3. Find the sum to infinity
4. The fourth term of a geometric series is 1.08 and the seventh is 0.23328.
5. Show that the series is convergent
6. Calculate the sum to infinity of the series
7. For a geometric series with first term , and common ratio , and .
8. Find the possible values of
9. Given that all terms in the series are positive, find the value of