Name : _____

Infinite Geometric Series

1) The sum of an infinite geometric series is $\dfrac{45}{8}$ and the common ratio is $\dfrac{1}{5}$. Find the first term.

2) Find the first term of an infinite geometric series, if the sum and common ratio of the series are 14 and 0.4 respectively.

3) What is the com   e sum of the series
   and the first ter

4) Determine the   if the sum of the series
   and the first ter

5) The common ratio of an infinite geometric series is 0.9 and the sum is 65. Determine the first term.