Name : _____

Infinite Geometric Series

Sheet 1

1) The sum of an infinite geometric series is $\frac{125 + 25\sqrt{6}}{19}$ and the first term is 5. Find the common ratio.

2) What is the first term of an infinite geometric series, if the sum of the series and the common ratio are 35 and 0.6 respectively?

3) The first term of m is –92. Determine the common rat

4) Determine the f sum of the series and the common rat

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5) Find the common ratio of an infinite geometric series, if the sum and first term of the series are $\frac{133}{2}$ and 19 respectively.