

Name : _____

Infinite Geometric Series

Sheet 3

- 1) Find the common ratio of an infinite geometric series, if the sum and first term of the series are 29 and 14.5 respectively.
- 2) The first term of an infinite geometric series is 3 and the sum is $\frac{27}{7}$. Determine the common ratio.

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- 3) Determine the first term and the common ratio of an infinite geometric series whose sum of the series and the first term are 10 and 2 respectively.
- 4) What is the first term and the common ratio of an infinite geometric series whose sum of the series and the first term are 10 and 2 respectively.
- 5) The sum of an infinite geometric series is 116 and the first term is 5.8. Find the common ratio.