Name : _____

Geometric Series

1) The sum of the first ten terms of a geometric series is 1627604 and the common ratio is 5. Find the first term.

2) The first term of a geometric progression is 6, common ratio is $\frac{5}{2}$ and the sum of the terms of the series is 609. Find the number of terms in the series.

3) The sum of the ~~~~ $9565936\sqrt{3}$. The common ratio ~~~~

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4) The sum of the ~~~~ e the number of terms in the ge~~~~ nd common ratio are –15 and 4 ~~~~

5) Find the first term of a geometric series, if the sum of the first 11 terms of the series is 7549749 and the common ratio of the series is –4.