

Name : _____

Arithmetic Series

Sheet 3

1) The sum of the first 11 terms of an arithmetic progression is 506 and the common difference is 2.8. Find the first term.

2) The sum of the terms of a series is $376\sqrt{5}$. Determine the number of terms in the arithmetic series whose first and last terms are $\sqrt{20}$ and $92\sqrt{5}$ respectively.

3) The first term of an arithmetic progression are 12 and the last term is -141.7 respectively. Find the common difference if the sum of the terms is -1945.5 .

4) The sum of all terms of an arithmetic series is equal to the number of terms. Find the common difference if the first term is 513. If first term is

5) The first term of an arithmetic series is $\frac{3}{4}$. The sum of all the ten terms in the series is $\frac{45}{2}$. Find the common difference.

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