

Name : \_\_\_\_\_

## Evaluate the Arithmetic Series

T3S1

Evaluate each arithmetic series based on the first term( $a_1$ ), the last term( $a_n$ ) and the number of terms( $n$ ) given.

1)  $a_1 = 74, a_n = 386, n = 13$

2)  $a_1 = -2\sqrt{3}, a_n = 351\sqrt{3}, n = 26$

3)  $a_1 = 5.8, a_n = 9$

$a_n = 157, n = 9$

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5)  $a_1 = \frac{7}{3}, a_n = \frac{7}{3}$

$a_n = 89.2, n = 15$

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7)  $a_1 = -46, a_n = -683, n = 8$

8)  $a_1 = 15, a_n = 420, n = 10$