***Sequences and Series***

Consider the sequence defined by the following expression

***un = n2− n + 1.***

Showing all your working, compute the sum of the ﬁrst 100 terms of this sequence.

Theorems for the summation of finite series

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| --- | --- |
| Theorem 1 | Theorem 3 |
| Theorem 2 | Theorem 4  for all x with x |

***un = n2− n + 1.***