[06-02-27-T11]

Manipulate Σ

■ **Answer the following by supplying the missing limits and expression after Σ**

[1] $\sum_{k=1}^{n} k = 1 + \sum_{=}$

[2] $\sum_{k=1}^{n} k = n + \sum_{=}$

[3] $\sum_{k=1}^{n} k = 1 + n + \sum_{=}$

[4] $\sum_{k=1}^{n} 2^k = 2 + \sum_{=}$

[5] $\sum_{k=1}^{n} 2^k = 2 + 2^n + \sum_{=}$

■ Answers

[1] $1 + \sum_{k=2}^{n} k$

[2] $n + \sum_{k=1}^{n-1} k$

[3] $1 + n + \sum_{k=2}^{n-1} k$

[4] $2 + \sum_{k=2}^{n} 2^k$

[5] $2 + 2^n + \sum_{k=2}^{n-1} 2^k$

[6] $3 + \sum_{k=1}^{n} 2^k 3^{k+1}$

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