

Evaluate: Series

Evaluate each series.

1) $\sum_{n=1}^8 (3^n - 1)$

2) $\sum_{a=1}^{10} (a - 7)^2$

3) $\sum_{b=1}^{12} (b^2 + 9)$

5) $\sum_{k=1}^5 (\sqrt{2}(k - 1) + 3)$

7) $\sum_{d=1}^4 6^{d-1}$

8) $\sum_{c=1}^{15} (4c + 3)$

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9832**105**

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758

5) $\sum_{k=1}^5 (\sqrt{2}(k - 1) + 1)$

5(5 + 2√2)

7) $\sum_{d=1}^4 6^{d-1}$

259

8) $\sum_{c=1}^{15} (4c + 3)$

525

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