

Evaluate: Series

Evaluate each series.

1)
$$\sum_{x=1}^{10} 4x^2$$

2)
$$\sum_{w=1}^{13} (w+3)^2$$

3)
$$\sum_{n=1}^8 (2^n - 8)$$

5)
$$\sum_{z=1}^{11} (11 - z)$$

7)
$$\sum_{v=1}^{12} (v + \sqrt{7})$$

8)
$$\sum_{a=1}^3 (6 \cdot 5^{a-1})$$

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