

Evaluate: Series

Evaluate each series.

1)
$$\sum_{a=1}^8 \left(\frac{a!}{3^a}\right)$$

2)
$$\sum_{d=1}^{10} 2!(60 - d^2)$$

3)
$$\sum_{x=1}^7 (x^3 - 1)$$

5)
$$\sum_{b=1}^{11} (30 - b)$$

7)
$$\sum_{q=1}^4 (9^q - 6)$$

8)
$$\sum_{t=1}^{12} ((t + 2)(t - 3))$$

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