

Name : _____

Evaluate: Series

L2S1

Evaluate each series.

1) $\sum_{r=1}^4 (2^r \cdot r!)$

2) $\sum_{b=1}^7 (4^b + 1)$

3) $\sum_{y=1}^{12} ((y^3 - 1)$

5) $\sum_{z=1}^8 (99 - z^2)$

7) $\sum_{x=1}^{11} 7x^2$

8) $\sum_{n=1}^5 \frac{5^n}{10}$

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Evaluate: Series

Evaluate each series.

1) $\sum_{r=1}^4 (2^r \cdot r!)$

442

2) $\sum_{b=1}^7 (4^b + 1)$

21851

3) $\sum_{y=1}^{12} ((y^3 - 1))$

9768

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5) $\sum_{z=1}^8 (99 - z^2)$

588

7) $\sum_{x=1}^{11} 7x^2$

3542

8) $\sum_{n=1}^5 \frac{5^n}{10}$

 $\frac{781}{2}$ or $390\frac{1}{2}$