

Evaluate: Geometric Series

Evaluate each geometric series.

1)
$$\sum_{y=1}^7 (-7 \cdot 5^{y+1})$$

2)
$$\sum_{m=1}^6 \left(-\frac{1}{9}\right)^{m-1}$$

3)
$$\sum_{v=1}^{10} (9 \cdot 4^v)$$

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5)
$$\sum_{p=1}^9 (1.4 \cdot 2^p)$$

 $(\frac{1}{6})^k$ $\cdot 2^b$

7)
$$\sum_{g=1}^8 \left(\frac{9}{8} \cdot 2^g\right)$$

8)
$$\sum_{z=1}^{13} 3^{z+1}$$