

Name : _____

Evaluate: Infinite Geometric Series

T3S4

Determine if the geometric series converges or diverges. If it converges, find its sum.

1) $\sum_{q=1}^{\infty} (7.2 \cdot 0.6^{q+1})$

2) $\sum_{d=1}^{\infty} (-4.6 \cdot (\sqrt{6})^{d-1})$

3) $\sum_{f=1}^{\infty} (9 \cdot 0$

PREVIEW

m + 1

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5) $\sum_{h=1}^{\infty} \left(\frac{1}{4} \cdot 0$

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7) $\sum_{t=1}^{\infty} 0.9^{t-1}$

8) $\sum_{v=1}^{\infty} (-21 \cdot 0.7^v)$