

Name : _____

Evaluate: Geometric Series

Mixed: S2

Evaluate each geometric series.

1) $3.3 + 19.8 + 118.8 + \dots + 25660.8$

2) $a_1 = -9, r = -5, n = 8$

3) $\sum_{v=1}^9 (2 \cdot (-3)^v)$

$-\frac{1}{3} + \dots + \frac{1}{384}$

5) $a_1 = 3, r = 7,$

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7) $\sum_{q=1}^4 \left(\frac{1}{5} \cdot (-10)^{q-1} \right)$

8) $a_1 = 12, r = -\sqrt{2}, n = 7$