

Name : _____

Evaluate: Geometric Series

T2S5

Evaluate each geometric series.

1) $-1 - 9 - 81 - \dots - 4782969$

2) $-3 + 15 - 75 + \dots + 5859375$

3) $\frac{3}{2} - \frac{3}{7} + \frac{6}{49} - \dots$

$5 + \dots + 32805$

5) $7 - 28 + 112 - \dots$

$0 + \dots + 1399680$

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7) $-11 - 33 - 99 - \dots - 72171$

8) $\frac{4}{9} + \frac{5}{18} + \frac{25}{144} + \dots + \frac{3125}{73728}$