

Name : _____

Geometric Series

Mixed: S3

Determine the number of terms(n) in each geometric series.

1) $15 - 30 + 60 - \dots; S_n = -327675$

2) $\sum_{p=1}^n (1.2 \cdot (-7)^{p+1}) = -17640$

3) $a_1 = 3.2, r = 5, S_n = 175099$

PREVIEW

$S_n = \frac{175099}{1280}$

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5) $\sum_{q=1}^n (\sqrt{3})^q = 1.2$

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$S_n = -3069$

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7) $-8 - 64 - 512 - \dots; S_n = -2396744$

8) $\sum_{t=1}^n 9^{t-1} = 66430$