

Name : \_\_\_\_\_

## Geometric Series

T1S3

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

1)  $-3 - 15 - 75 - \dots$  upto n terms =  $-7324218$       2)  $\frac{9}{5} - \frac{3}{5} + \frac{1}{5} - \dots$  upto n terms =  $\frac{26572}{19683}$

3)  $-12 + 24 - 48 + \dots$  upto n terms =  $5764800$

5)  $-\sqrt{6} + 3\sqrt{6} - 9\sqrt{6} + \dots$  upto n terms =  $\frac{38342}{15309}$

7)  $13 - 26 + 52 - \dots$  upto n terms =  $141999$       8)  $4 - 16 + 64 - \dots$  upto n terms =  $3355444$

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