

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

## Evaluate: Geometric Series

T1S2

Evaluate each geometric series.

1)  $-2\sqrt{5} - 6\sqrt{5} - 18\sqrt{5} - \dots$  upto 9 terms

2)  $3 + 9 + 27 + \dots$  upto 13 terms

3)  $\frac{2}{3} + \frac{4}{15} + \frac{8}{75} + \dots$

... upto 14 terms

5)  $-6 + 30 - 150 + \dots$

... upto 8 terms

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7)  $4 + 16 + 64 + \dots$  upto 11 terms

8)  $12 - 24 + 48 - \dots$  upto 18 terms