

Name : _____

Evaluate: Infinite Geometric Series

Mixed: S4

Evaluate each infinite geometric series.

1) $\frac{7}{3} - \frac{14}{15} + \frac{28}{75} - \frac{56}{375} + \dots$

2) $-90 - 81 - 72.9 - 65.61 - \dots$

3) $7 + 7\sqrt{5} + 35 + \dots$

0.2

5) $a = 1.8 ; r = 0.5$

+1

7) $\sum_{u=1}^{\infty} \left(-\frac{5}{7}\right)^u$

8) $a = 10.4 ; r = \frac{9}{4}$

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