

Name : _____

Geometric Series

Mixed: S5

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

1) $\frac{6}{5} + \frac{3}{5} + \frac{3}{10} + \dots; S_n = \frac{24573}{10240}$

2) $a_1 = -\frac{3}{4}, r = -\frac{1}{2}, S_n = -\frac{33}{64}$

3) $a_1 = 5\sqrt{2}, r = 4,$

PREVIEW

$b^{-1}) = -651014$

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5) $-2.3 - 9.2 - 36.$

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$S_n = 1441803$

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7) $\sum_{u=1}^n (-12)^{u+1} = -229680$

8) $17 + 102 + 612 + \dots; S_n = 5710691$