

Name : _____

Geometric Series

T1S5

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

1) $2 + 10 + 50 + \dots$ upto n terms = 976562

2) $-11 + 44 - 176 + \dots$ upto n terms = 144177

3) $-8 + 16 - 32 + \dots$ upto

upto n terms = $\frac{88573}{118098}$

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5) $2 + 2\sqrt{2} + 4 + \dots$ upto r

upto n terms = $\frac{433914}{390625}$

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7) $-10 - 30 - 90 - \dots$ upto n terms = -295240

8) $9 - 27 + 81 - \dots$ upto n terms = 3587229