

Name : _____

Recursive Formula

Sheet 2

Write the recursive formula for each geometric sequence.

1) $-0.2, -1.6, -12.8, -102.4, \dots$

2) $\frac{3}{4}, -\frac{1}{6}, \frac{1}{27}, -\frac{2}{243}, \frac{4}{2187}, \dots$

3) $70, -350, 1750$

$912, \dots$

5) $18, 72, 288, 1152$

$2229.5, 15606.5, \dots$

7) $-3, -45, -675, -10125$

$8\sqrt{5}, 56\sqrt{5}, \dots$

9) $-\frac{1}{2}, -\frac{7}{10}, \frac{49}{50}, -\frac{343}{250}, \frac{2401}{1250}, \dots$

10) $-1, -17, -289, -4913, -83521, \dots$

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