

Explicit Formulas for Geometric Sequences

A) Write the geometric sequence using the given general term.

1) $a_n = 12 \cdot (-9)^n$

2) $a_n = 9 \cdot (2)^{n-1}$

3) $a_n = -15 \cdot (5)^{n-1}$

4) $a_n = 13 \cdot (7)^{n-1}$

5) $a_n = -5 \cdot (-11)^{n-1}$

6) $a_n = -2 \cdot (8)^{n+1}$

B) Write the general term of each geometric sequence.

1) $-29, -116, -464, -1856, -7424, \dots$

2) $-36, 72, -144, 288, -576, \dots$

3) $2, -34, 578, -9826, 167042, \dots$

4) $4, 56, 784, 10976, 153664, \dots$
