Explicit Formulas for Geometric Sequences

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

1) $a_n = -27 \cdot (3)^{n-1}$

2) $a_n = 35 \cdot (4)^{n-1}$

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3) $a_n = 43 \cdot (-2)^{n+1}$

4) $a_n = -19 \cdot (-6)^{n-1}$

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5) $a_n = 16 \cdot (8)^{n-1}$

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

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B) Write the general term of each geometric sequence.

1) 2, −42, 882, −18522, 388962, ...

2) 4, 16, 64, 256, 1024, ...

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3) −6, 108, −1944, 34992, −629856, ...

4) −8, −104, −1352, −17576, −228488, ...

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