

The n^{th} term of a Geometric Sequence

$$a_n = a_1 \cdot r^{n-1}$$

Find the 8^{th} term of the following geometric sequences

4, 8, 16, 32, 64, ...

32, -16, 8, -4, 2, ...

Find the first term, common ratio, recursive formula, and formula for n^{th} term of the following geometric sequences

3^{rd} term is 125; 4^{th} term is 625

Find the first term, **common ratio**, recursive formula, and formula for n^{th} term of the following **geometric sequences**

4th term is 48; **5th term** is -24

Find the **8th** term of the **geometric sequence** with $a_5 = 16$ and $a_7 = 64$.