Geometric Sequence

1) Find the number of terms in the geometric sequence $\sqrt{3}$, 3, $3\sqrt{3}$ … 729.

_____

2) Find the first term of a geometric sequence whose 6th term is $-\dfrac{1}{4}$ and whose common ratio is $-\dfrac{1}{2}$.

_____

3) If 3072 is the last term of the sequence 3, 6, 12, …, what is the 5th term starting from the end?

_____

4) Which term of the sequence $\dfrac{1}{4}$, $-\dfrac{1}{2}$, 1 … is 64?

_____

5) The fifth term of a geometric sequence is 1875, and the common ratio is 5. Find the 8th term.

_____