

Name : \_\_\_\_\_

## Geometric Sequence

Sheet 2

- 1) Find the first term of the geometric sequence whose fifth term is  $-\frac{27}{64}$  and the common ratio is  $\frac{3}{4}$ .

\_\_\_\_\_

- 2) How many terms are there in the geometric sequence 9376?

\_\_\_\_\_

- 3) Which term of the sequence

\_\_\_\_\_

- 4) If the third term is 12 and the common ratio is  $-\frac{3}{2}$ , find the 6<sup>th</sup> term.

\_\_\_\_\_

- 5) Find the 7<sup>th</sup> term from the last element of the sequence 512, 256, 128 ...  $\frac{1}{4}$ .

\_\_\_\_\_

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**Geometric Sequence**

- 1) Find the first term of the geometric sequence whose fifth term is  $-\frac{27}{64}$  and the common ratio is  $\frac{3}{4}$ .

$$-\frac{4}{3}$$

- 2) How many terms are there in the geometric sequence  $1, 3, 9, 27, \dots, 9376$ ?

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- 3) Which term of the geometric sequence  $1, 3, 9, 27, \dots$  is 243?

- 4) If the third term of a geometric sequence is  $-\frac{3}{2}$  and the common ratio is  $-\frac{3}{2}$ , find the 6<sup>th</sup> term.

$$-\frac{81}{32}$$

- 5) Find the 7<sup>th</sup> term from the last element of the sequence  $512, 256, 128, \dots, \frac{1}{4}$ .

$$16$$