

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

## Geometric Sequence

Sheet 3

- 1) Which term of the sequence 12, 24, 48 ... is 393216?

\_\_\_\_\_

- 2) Find the 4<sup>th</sup> term

$$\frac{2}{5}, \frac{48}{125} \dots \frac{49152}{390625}$$

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- 3) Find the number

$$\dots - \frac{1}{32768}$$

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- 4) Four thousand  
backwards from

$$\frac{1}{4}, 1, 4 \dots \text{Start}$$

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\_\_\_\_\_

- 5) Find the first term of the geometric sequence whose 5<sup>th</sup> term is 64 and the common ratio is -2.

\_\_\_\_\_

**Geometric Sequence**

- 1) Which term of the sequence 12, 24, 48 ... is 393216?

**16<sup>th</sup> term**

- 2) Find the 4<sup>th</sup> term

$$\frac{2}{5}, \frac{48}{125} \dots \frac{49152}{390625}$$

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- 3) Find the number

$$\dots - \frac{1}{32768}$$

- 4) Four thousand  
backwards from

$$\frac{1}{4}, 1, 4 \dots \text{Start}$$

**256**

- 5) Find the first term of the geometric sequence whose 5<sup>th</sup> term is 64 and the common ratio is  $-2$ .

**4**