

Math Quiz –4.3 Geometric Sequences (8th)

Name: _____

Find the indicated term of each geometric sequence. If it is not a geometric sequence then write : No Answer

Find the FIRST term of a sequence in these scenarios

1. a_{10} of 2, 6, 18, 54, 162, ...

6. $r = 2$ and $a_{12} = 14336$

2. a_7 of 96, 144, 216, 324, ...

7. $r = 1.3$ and $a_3 = 109.85$

3. a_{13} of 5, 6, 8, 11, ...

4. a_6 of 18, 5.4, 1.62, 0.486...

9. The population of a town decreased by two thirds each year for 3 years. If it started with a population of 540,000 what is the population after 3 years?

5. a_8 of $1/81$, $1/27$, $1/9$, $1/3$...