

Algebra II

11-1 Types of Sequences

Sequence -

Arithmetic Sequence -

Find the common difference and find the missing terms for the Arithmetic Sequence -

*1) 3, 7, 11, 15, _____, _____

Geometric Sequence -

Find the common ratio and find the missing terms for the Geometric Sequence -

*2) 2, 6, 18, 54, _____, _____

Tell whether each sequence is arithmetic, geometric, or neither. Then supply the missing terms of the sequence.

1) 20, 17, 14, 11, _____, _____

7) $1, \frac{1}{4}, \frac{1}{9}, \frac{1}{16}, \frac{1}{25},$ _____, _____

Find the first four terms of each sequence with the given formula. Then state whether it is Arithmetic, Geometric, or Neither

13) $t_n = 3^{n-1}$

Find the next two terms of the sequence using the pattern between the terms.

23) 60, 48, 38, 30, 24, _____, _____

Assignment: pg. 504 1-31 all.
