

Name : _____

Score : _____

Teacher : _____

Date : _____

Geometric Sequences

State whether each sequence is arithmetic, geometric, or neither.

1) $a_n = 5 \cdot 4^{n-1}$

2) 3, 12, 20, 36 ...

3) $a_n = 2^{n-1}$

4) 3, 6, 12, 24 ...

5) 3, 10, 15, 22 ...

6) 1, -3, -7, -11 ...

7) 2, -4, 8, -16 ...

8) $a_n = \frac{6-3n}{2^n}$

9) $a_n = 5 - 6n$

10) $a_n = 1 - 3n$

11) $a_n = 2 + 3n$

12) 4, 9, 11, 21 ...



Name : _____

Score : _____

Teacher : _____

Date : _____

Geometric Sequences

State whether each sequence is arithmetic, geometric, or neither.

1) $a_n = 5 \cdot 4^{n-1}$

Geometric

2) 3, 12, 20, 36 ...

Neither

3) $a_n = 2^{n-1}$

Geometric

4) 3, 6, 12, 24 ...

Geometric

5) 3, 10, 15, 22 ...

Neither

6) 1, -3, -7, -11 ...

Arithmetic

7) 2, -4, 8, -16 ...

Geometric

8) $a_n = \frac{6-3n}{2^n}$

Neither

9) $a_n = 5 - 6n$

Arithmetic

10) $a_n = 1 - 3n$

Arithmetic

11) $a_n = 2 + 3n$

Arithmetic

12) 4, 9, 11, 21 ...

Neither

