Name:

Date:

Comparing Arithmetic and Geometric

For each sequence, state if it is arithmetic, geometric, or neither.

1) 4,8,16,32, …

2) $a_n = 5 - 3n$

3) 4,7,9,10,11, …

4) 1,4,7,10,13, …

5) 1,3,6,10,15, …

6) $1, \frac{1}{2}, \frac{1}{4}, \frac{1}{8}, \frac{1}{16}, \ldots$

7) $a_n = -4.(-3)^{n-1}$

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

9) $-40, -35, -30, -25, \ldots$

10) 1,3,9,27,81, …

11) $a_n = a_{n-1} + 8, a_1 = 5$

12) 0,3,8,15,24, …

13) $-34, -32, -30, -28, -26, \ldots$

14) $-4,12, -36,108, -324, \ldots$

QUIZ ?

So Much More Online! Please visit: testinar.com

MORE ?

Name:

Date:

Comparing Arithmetic and Geometric

Answers

For each sequence, state if it is arithmetic, geometric, or neither.

1) $4,8,16,32,\ldots$
geometric

2) $a_n = 5 - 3n$
arithmetic

3) $4,7,9,10,11,\ldots$
neither

4) $1,4,7,10,13,\ldots$
arithmetic

5) $1,3,6,10,15,\ldots$
neither

6) $1,\frac{1}{2},\frac{1}{4},\frac{1}{8},\frac{1}{16},\ldots$
geometric

7) $a_n = -4.(-3)^{n-1}$
geometric

8) $a_n = \frac{n}{2^n}$
neither

9) $-40,-35,-30,-25,\ldots$
arithmetic

10) $1,3,9,27,81,\ldots$
geometric

11) $a_n = a_{n-1} + 8, a_1 = 5$
arithmetic

12) $0,3,8,15,24,\ldots$
neither

13) $-34,-32,-30,-28,-26,\ldots$
arithmetic

14) $-4,12,-36,108,-324,\ldots$
geometric

testinar.com/qryx

QUIZ ?

So Much More Online! Please visit: testinar.com

MORE ?

testinar.com/qryx