

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

## General Term - Sequence

L1S1

Write the sequence using the given general term.

1)  $a_n = n^2 - 1$  for all  $n \geq 1$

2)  $a_n = (2^n + 1.4) \cdot (-1)^n$  for all  $n \geq 1$

3)  $a_n = \frac{7}{3} - \frac{6}{5}(n +$

all  $n \geq 1$

# PREVIEW

Gain complete access to the largest  
collection of worksheets in all subjects!

5)  $a_n = n! \cdot (-1)^{n+1}$

all  $n \geq 1$

Members, please  
log in to  
download this  
worksheet.

Not a member?  
Please sign up to  
gain complete  
access.

7) Find the twelfth

[www.mathworksheets4kids.com](http://www.mathworksheets4kids.com)

8) Find the tenth term of the sequence  $\sqrt{3}, \sqrt{3} + 6, \sqrt{3} + 12, \sqrt{3} + 18, \sqrt{3} + 24, \dots$

**General Term - Sequence**

Write the sequence using the given general term.

1)  $a_n = n^2 - 1$  for all  $n \geq 1$

2)  $a_n = (2^n + 1.4) \cdot (-1)^n$  for all  $n \geq 1$

0, 3, 8, 15, 24, ...-3.4, 5.4, -9.4, 17.4, -33.4, ...

3)  $a_n = \frac{7}{3} - \frac{6}{5}(n + 1)$

all  $n \geq 1$  $-\frac{1}{15}, -\frac{19}{15}, -\frac{37}{15}, -\frac{59}{15}, \dots$ 3, 87, 249, ...

5)  $a_n = n! \cdot (-1)^{n+1}$

all  $n \geq 1$ 1, -2, 6, -24, 120, -720, ...6, -64, 256, ...

7) Find the twelfth term of the sequence

-128) Find the tenth term of the sequence  $\sqrt{3}, \sqrt{3} + 6, \sqrt{3} + 12, \sqrt{3} + 18, \sqrt{3} + 24, \dots$  $\sqrt{3} + 54$ 

**PREVIEW**

Gain complete access to the largest collection of worksheets in all subjects!

Members, please log in to download this worksheet.

Not a member? Please sign up to gain complete access.

[www.mathworksheets4kids.com](http://www.mathworksheets4kids.com)