

NCERT Discrete - 11.9.1.7

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Parameter	Value	Description
$a(n)$	$4n - 3$	The nth term of the sequence.
$a(17)$?	17th term
$a(24)$?	24th term

TABLE 0
INPUT PARAMETERS

Question 11.9.1.7 Find the indicated terms in the sequence whose nth terms is $a_n = 4n - 3$. Find a_{17} and a_{24} .

Solution:

The function $x(n) = 4n - 3$ evaluated at $n = 17$ and $n = 24$ is given by:

$$x(17) = 4 \times 17 - 3 = 68 - 3 = 65$$

$$x(24) = 4 \times 24 - 3 = 96 - 3 = 93$$