<i>3</i> 5	f(x)
-6	0
-3	4
0	8
3	12

What are the domains and ranges of f(x) and g(x)?

22. An arithmetic sequence is shown below.

..., 12, 17, 22, 27, 32, 37, ...

A. What is the explicit formula for  $a_n$ , the *n*th term of the sequence?

B. Why can an arithmetic sequence be written as a function in this way? Use a generalized arithmetic sequence and the concept of rate of change in your explanation.