

Exercise 9

Does Table 2 represent a linear function? If so, find a linear equation that models the data.

x	1	3	7	11
$g(x)$	4	9	19	12

Table 2

Solution

Table 2 does not represent a linear function; when x increases from 3 to 7, $g(x)$ increases by 10, but when x increases from 7 to 11, $g(x)$ decreases by 7.