

Exercise 48

For the following exercises, which of the tables could represent a linear function? For each that could be linear, find a linear equation that models the data.

x	0	5	10	15
$h(x)$	5	30	105	230

Solution

This table does not represent a linear function because even though x increases by 5 in each entry to the right, $h(x)$ increases by a larger and larger amount with each entry to the right. This is a nonlinear function.