

# Function D:

x	Expanded	y
1	3	3
2	$3+12$	15
3	$3+12+12$	27
4	$3+12+12+12$	39
5	$3+12+12+12+12$	51
6	$3+12+12+12+12+12$	63

Recursive:

$$f(n) = f(n-1) + 12$$

$$\text{Start } f(1) = 3$$

Explicit:

$$y = 12(n-1) + 3$$

$$12(4-1) + 3$$

$$(12)3 + 3$$

$$~~36~~ 39$$

Arithmetic