Patterns and Expressions

Complete the Function Tables and then create an expression for each. The first one has been done for you.

z	0	1	2	3	4	...	11
	9	13	15	18	21	...	42

Expression: $3z + 9$

$3 \times 11 + 9 = 42$

b	0	1	2	3	4	...	44
	8	10	12	14		...	

Expression: _____

_____

r	1	2	3	4	5	...	21
	5	10	15	20		...	

Expression: _____

_____

c	1	2	3	4	5	...	22
	5	7	9	11		...	

Expression: _____

_____

Determine what the 10th term will be in each pattern, using a numerical pattern rule expression:

a) 1, 3, 5, 7, 9 …

b) 5, 6, 7, 8, 9 …

c) 10, 15, 20, 25 …

d) 4, 7, 10, 13, 16 …