ES

What is the missing terms in these patterns?

a) **432, 415,** [ ], **381, 364**

b) **-213, -238, -**[ ]**, -288, -313**

c) **17, 23, 29,** [ ] **,** [ ]

d) **-12, 2, 16,** [ ] **,** [ ]

e) **151, 172,** [ ]**, 214, 235**

f) **44, 26, 8, -**[ ]**, -28**

1 2 3 4 5 6 7 8 9 0

Reset

Which function satisfies these input-output tables? 1 2

✓ a)

b	c
5	80
6	96
7	112

$c = 16b$
$c = 15b$
$c = 16b + 8$

✓ b)

b	e
2	15
3	30
4	45

$e = 15b + 10$
$e = 15b - 15$
$e = 15b + 15$

✓ c)

c	b
8	20
9	21
10	22

$b = c + 12$
$b = c + 11$
$b = 2c$

✓ d)

d	g
6	14
7	16
8	18

$g = 2d + 3$
$g = 2d - 2$
$g = 2d + 2$

e)

a	b
4	15
5	19
6	23

$b = 4a \times 4$
$b = 4a + 4$
$b = 4a - 1$

f)

a	d
7	154
8	176
9	198

$d = 11a + 2$
$d = 11a \times 2$
$d = 11a - 2$

Reset

ES

1 2

A **Function** is a relationship between two variables, where one variable depends on another independent variable. The purpose of a function is to input a number and output another number.
Drag the numbers on the right to the input column "*x*" to reveal the output in column "*y*".

x (input)	y (output)
1	3
2	4

3

Reset