Name: _____

1. Complete the tables of values for the flowcharts shown below.

(a)

+1   ×4

a → ☐ → b

a	b
1	
2	
3	
4	

(b)

×2   +3

x → ☐ → y

x	y
1	
2	
3	
4	

(c)

×3   -2

n → ☐ → m

n	m
1	
2	
3	
4	

2. Write the rules for the following flowcharts.

(a)

×3   -2

n → ☐ → m

$m =$

(b)

×4   + 3

a → ☐ → b

$b =$

3. Find the rules for the following tables of values.

(a)

a	b
1	3
2	5
3	7
4	9

$b =$

(b)

x	y
1	1
2	4
3	7
4	10

$y =$

(c)

n	m
1	6
2	8
3	10
4	12

$m =$

(d)

P	Q
1	0
2	2
3	4
4	6

$Q =$