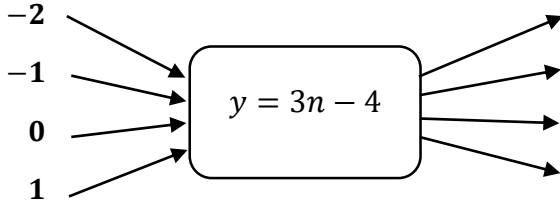


FUNCTIONS & TABLES – TOPIC 7

1. Flow Diagrams

Determine the output values for the following flow diagram and table:

$$\text{Rule: } y = \frac{1}{2}x + 3$$



x	0	1	2	4	10	50	100
y							

2. Describing Relationships in Tables

Find the formula/rule for each of the given tables below:

a.

x	0	1	2	3	4
y	3	5	7	9	11

b.

x	5	6	7	8	9
y	-9	-11	-13	-15	-17

c.

x	0	1	2	3	4
y	1	5	9	13	17

3. Use the table to determine the value of m and n .

a.

x	-2	-1	0	1	2		12		n
y	3	5	7	9	11		m		52

b.

x	1	2	3	4	5		12		n
y	6	10	14	18	22		m		82

c.

x	-1	0	1	2	3		11		n
y	-9	-4	1	6	11		m		141

d.

x	-4	-3	-2	-1	0		17		n
y	12	10	8	6	4		m		-48