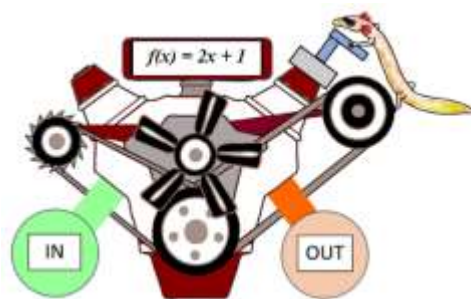




INPUT OUTPUT FUNCTION TABLES SHEET 5C

Find the missing values in these function tables.

Note: the value of x is always an integer. There may be more than one answer for the value of x .



1) $f(x) =$ _____

x	$f(x)$
0	0
1	1
2	4
3	9
4	16
5	25
6	

2) $f(x) =$ _____

x	$f(x)$
0	-7
1	-3
2	1
3	5
4	9
5	13
6	

3) $f(x) =$ _____

x	$f(x)$
0	3
1	4
2	7
3	12
4	19
5	28
6	

4) $f(x) =$ _____

x	$f(x)$
0	3
1	10
2	17
3	24
4	31
5	38
6	

5) $f(x) =$ _____

x	$f(x)$
0	0
1	1
2	8
3	27
4	64
5	125
6	

6) $f(x) =$ _____

x	$f(x)$
0	15
1	11
2	7
3	3
4	-1
5	-5
6	

7) $f(x) =$ _____

8) $f(x) =$ _____

In	0	1	2	3	4	5
Out	-8	-5	-2	1	4	

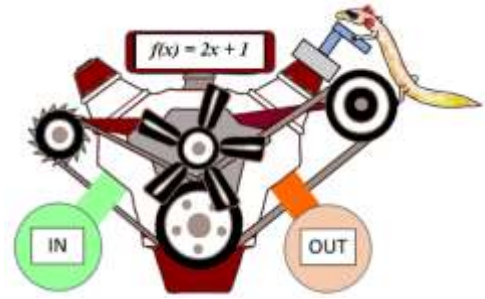
In	0	1	2	3	4	5
Out	-4	-3	0	5	11	



INPUT OUTPUT FUNCTION TABLES SHEET 5C ANSWERS

Write down the formula for $f(x)$ for each of these function tables.

Fill in any missing values of $f(x)$.



1) $f(x) = x^2$

x	$f(x)$
0	0
1	1
2	4
3	9
4	16
5	25
6	<u>36</u>

2) $f(x) = 4x - 7$

x	$f(x)$
0	-7
1	-3
2	1
3	5
4	9
5	13
6	<u>17</u>

3) $f(x) = x^2 + 3$

x	$f(x)$
0	3
1	4
2	7
3	12
4	19
5	28
6	<u>39</u>

4) $f(x) = 7x + 3$

x	$f(x)$
0	3
1	10
2	17
3	24
4	31
5	38
6	<u>45</u>

5) $f(x) = x^3$

x	$f(x)$
0	0
1	1
2	8
3	27
4	64
5	125
6	<u>216</u>

6) $f(x) = 15 - 4x$

x	$f(x)$
0	15
1	11
2	7
3	3
4	-1
5	-5
6	<u>-9</u>

7) $f(x) = 3x - 8$

In	0	1	2	3	4	5
Out	-8	-5	-2	1	4	<u>7</u>

8) $f(x) = x^2 - 4$

In	0	1	2	3	4	5
Out	-4	-3	0	5	12	<u>21</u>