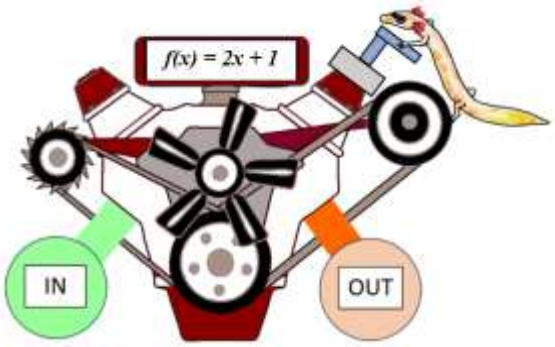
Name Date

INPUT OUTPUT FUNCTION TABLES SHEET 5B

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

x	$f(x)$
4	
1	
5	
-3	
	42
	74

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

x	$f(x)$
2	
0	
	127
1	
	-6
-3	

3) $f(x) = 30 - x^2$

x	$f(x)$
4	
	26
-3	
	-6
-5	
8	

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

x	$f(x)$
3	
	16
5	
	0
1	
0	

5) $f(x) = (5 - x)^2$

x	$f(x)$
3	
-2	
1	
	25
8	
	16

6) $f(x) = x(x - 3)$

x	$f(x)$
8	
	4
0	
	28
-2	
10	

7) $f(x) = ¼ (x + 3)$

In	9	15		-7	
Out			2 ¼		6

8) $f(x) = 2x^2 - 5$

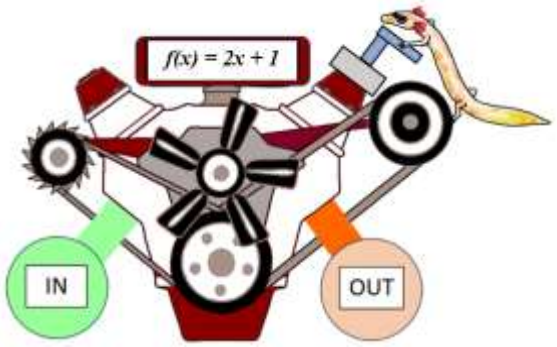
In	5	3	1	-2	
Out					123

Name Date

INPUT OUTPUT FUNCTION TABLES SHEET 5B ANSWERS

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

x	$f(x)$
4	9
1	-6
5	18
-3	2
7 or -7	42
9 or -9	74

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

x	$f(x)$
2	10
0	2
5	127
1	3
-2	-6
-3	-25

3) $f(x) = 30 - x^2$

x	$f(x)$
4	14
2 or -2	26
-3	21
6 or -6	-6
-5	5
8	-34

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

x	$f(x)$
3	25
2 or -6	16
5	49
-2	0
1	9
0	4

5) $f(x) = (5 - x)^2$

x	$f(x)$
3	4
-2	49
1	16
0 or 10	25
8	9
1 or 9	16

6) $f(x) = x(x - 3)$

x	$f(x)$
8	40
4 or -1	4
0	0
7 or -4	28
-2	10
10	70

7) $f(x) = ¼ (x + 3)$

In	9	15	6	-7	21
Out	3	4 ½	2 ¼	-1	6

8) $f(x) = 2x^2 - 5$

In	5	3	1	-2	8 or -8
Out	45	13	-3	3	123