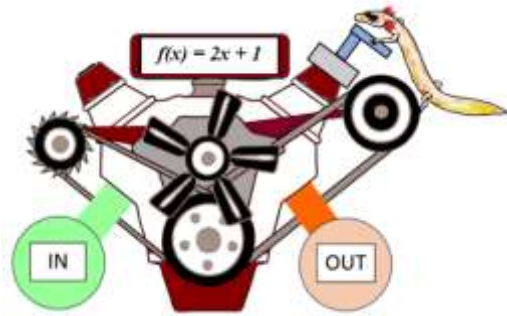




INPUT OUTPUT FUNCTION TABLES SHEET 4D

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

Fill in any missing values.



1) $f(x) =$ _____

x	$f(x)$
6	11
2	3
4	7
1	1
8	15
10	19
25	

2) $f(x) =$ _____

x	$f(x)$
5	19
2	10
7	25
1	7
9	31
15	49
	22

3) $f(x) =$ _____

x	$f(x)$
7	5
12	0
3	9
8	4
5	7
0	12
2	

4) $f(x) =$ _____

x	$f(x)$
5	37
10	72
3	23
7	51
4	30
9	65
	86

5) $f(x) =$ _____

x	$f(x)$
6	8
1	$5\frac{1}{2}$
8	9
3	$6\frac{1}{2}$
12	11
34	22
5	

6) $f(x) =$ _____

x	$f(x)$
10	33
3	5
8	25
5	13
2	1
20	73
	37

7) $f(x) =$ _____

In	6	12	5	3	0	
Out	3	5	$2\frac{2}{3}$	2	1	6

8) $f(x) =$ _____

In	5	9	2	6	4	1
Out	8	0	14	6	10	

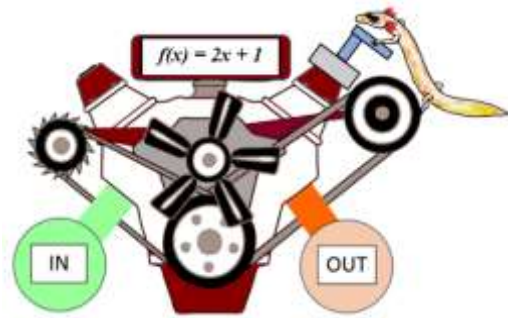


INPUT OUTPUT FUNCTION TABLES SHEET 4D ANSWERS

Note: there can be more than one way of writing these answers.

For example, the function machine in Question 5) could be written:

$$f(x) = (x + 10) \div 2$$



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

x	f(x)
6	11
2	3
4	7
1	1
8	15
10	19
25	<u>49</u>

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

x	f(x)
5	19
2	10
7	25
1	7
9	31
15	49
<u>6</u>	22

3) $f(x) = 12 - x$

x	f(x)
7	5
12	0
3	9
8	4
5	7
0	12
2	<u>10</u>

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

x	f(x)
5	37
10	72
3	23
7	51
4	30
9	65
<u>12</u>	86

5) $f(x) = \frac{1}{2}x + 5$

x	f(x)
6	8
1	5 $\frac{1}{2}$
8	9
3	6 $\frac{1}{2}$
12	11
34	22
5	<u>7 $\frac{1}{2}$</u>

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

x	f(x)
10	33
3	5
8	25
5	13
2	1
20	73
<u>11</u>	37

7) $f(x) = \frac{1}{3}x + 1$

In	6	12	5	3	0	<u>15</u>
Out	3	5	2 $\frac{2}{3}$	2	1	6

8) $f(x) = 18 - 2x$

In	5	9	2	6	4	1
Out	8	0	14	6	10	<u>16</u>