



Determine what rule the function machine is using.

1)

Input (n)	Output (j)
19	11
36	28
37	29
27	19
58	50

2)

Input (n)	Output (p)
31	17
41	27
49	35
63	49
45	31

3)

Input (n)	Output (i)
29	39
50	60
10	20
34	44
23	33

4)

Input (m)	Output (f)
22	28
23	29
38	44
47	53
41	47

5)

Input (w)	Output (k)
48	61
21	34
29	42
28	41
47	60

6)

Input (b)	Output (w)
36	23
62	49
47	34
58	45
50	37

7)

In (c)	27	54	39	23
Out (e)	17	44	29	13

8)

In (b)	25	57	52	63
Out (i)	10	42	37	48

9)

In (d)	15	18	22	42
Out (m)	24	27	31	51

10)

In (r)	10	49	41	28
Out (f)	21	60	52	39

11)

In (w)	44	14	15	45
Out (z)	57	27	28	58

12)

In (i)	46	23	55	36
Out (h)	37	14	46	27

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____



Determine what rule the function machine is using.

1)

Input (n)	Output (j)
19	11
36	28
37	29
27	19
58	50

Subtract 8

2)

Input (n)	Output (p)
31	17
41	27
49	35
63	49
45	31

Subtract 14

3)

Input (n)	Output (i)
29	39
50	60
10	20
34	44
23	33

Add 10

4)

Input (m)	Output (f)
22	28
23	29
38	44
47	53
41	47

Add 6

5)

Input (w)	Output (k)
48	61
21	34
29	42
28	41
47	60

Add 13

6)

Input (b)	Output (w)
36	23
62	49
47	34
58	45
50	37

Subtract 13

7)

In (c)	27	54	39	23
Out (e)	17	44	29	13

Subtract 10

8)

In (b)	25	57	52	63
Out (i)	10	42	37	48

Subtract 15

9)

In (d)	15	18	22	42
Out (m)	24	27	31	51

Add 9

10)

In (r)	10	49	41	28
Out (f)	21	60	52	39

Add 11

11)

In (w)	44	14	15	45
Out (z)	57	27	28	58

Add 13

12)

In (i)	46	23	55	36
Out (h)	37	14	46	27

Subtract 9

Answers

1. Subtract 8

2. Subtract 14

3. Add 10

4. Add 6

5. Add 13

6. Subtract 13

7. Subtract 10

8. Subtract 15

9. Add 9

10. Add 11

11. Add 13

12. Subtract 9



Determine what rule the function machine is using.

Add 6	Add 10	Subtract 10	Subtract 8
Add 13	Add 9	Subtract 14	Subtract 15
Subtract 13			

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____

1)

Input (n)	Output (j)
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