



Determine what rule the function machine is using.

1)

Input (p)	Output (y)
54	44
26	16
44	34
56	46
36	26

2)

Input (n)	Output (b)
52	40
25	13
39	27
60	48
42	30

3)

Input (m)	Output (i)
19	26
10	17
30	37
24	31
23	30

4)

Input (t)	Output (r)
37	26
28	17
43	32
56	45
57	46

5)

Input (i)	Output (a)
23	29
42	48
47	53
45	51
16	22

6)

Input (b)	Output (h)
53	44
40	31
32	23
21	12
55	46

7)

In (u)	10	46	16	50
Out (i)	23	59	29	63

8)

In (w)	39	20	54	35
Out (b)	31	12	46	27

9)

In (i)	44	25	10	15
Out (y)	57	38	23	28

10)

In (v)	45	55	52	60
Out (p)	35	45	42	50

11)

In (t)	12	10	28	49
Out (a)	25	23	41	62

12)

In (g)	37	12	38	40
Out (r)	44	19	45	47

Answers

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



Determine what rule the function machine is using.

1)

Input (p)	Output (y)
54	44
26	16
44	34
56	46
36	26

Subtract 10

2)

Input (n)	Output (b)
52	40
25	13
39	27
60	48
42	30

Subtract 12

3)

Input (m)	Output (i)
19	26
10	17
30	37
24	31
23	30

Add 7

4)

Input (t)	Output (r)
37	26
28	17
43	32
56	45
57	46

Subtract 11

5)

Input (i)	Output (a)
23	29
42	48
47	53
45	51
16	22

Add 6

6)

Input (b)	Output (h)
53	44
40	31
32	23
21	12
55	46

Subtract 9

7)

In (u)	10	46	16	50
Out (i)	23	59	29	63

Add 13

8)

In (w)	39	20	54	35
Out (b)	31	12	46	27

Subtract 8

9)

In (i)	44	25	10	15
Out (y)	57	38	23	28

Add 13

10)

In (v)	45	55	52	60
Out (p)	35	45	42	50

Subtract 10

11)

In (t)	12	10	28	49
Out (a)	25	23	41	62

Add 13

12)

In (g)	37	12	38	40
Out (r)	44	19	45	47

Add 7

Answers

1. **Subtract 10**

2. **Subtract 12**

3. **Add 7**

4. **Subtract 11**

5. **Add 6**

6. **Subtract 9**

7. **Add 13**

8. **Subtract 8**

9. **Add 13**

10. **Subtract 10**

11. **Add 13**

12. **Add 7**



Determine what rule the function machine is using.

Add 6	Subtract 8	Subtract 12	Subtract 11
Add 13	Add 7	Subtract 10	Add 13
Subtract 9			

1)

Input (p)	Output (y)
54	44
26	16
44	34
56	46
36	26

2)

Input (n)	Output (b)
52	40
25	13
39	27
60	48
42	30

3)

Input (m)	Output (i)
19	26
10	17
30	37
24	31
23	30

4)

Input (t)	Output (r)
37	26
28	17
43	32
56	45
57	46

5)

Input (i)	Output (a)
23	29
42	48
47	53
45	51
16	22

6)

Input (b)	Output (h)
53	44
40	31
32	23
21	12
55	46

7)

In (u)	10	46	16	50
Out (i)	23	59	29	63

8)

In (w)	39	20	54	35
Out (b)	31	12	46	27

9)

In (i)	44	25	10	15
Out (y)	57	38	23	28

Answers

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_