



Determine what rule the function machine is using.

1)

Input (u)	Output (c)
37	43
23	29
26	32
16	22
11	17

2)

Input (v)	Output (f)
36	41
44	49
23	28
13	18
16	21

3)

Input (a)	Output (r)
49	34
45	30
36	21
47	32
54	39

4)

Input (h)	Output (s)
15	20
36	41
11	16
23	28
12	17

5)

Input (y)	Output (i)
32	26
39	33
40	34
24	18
45	39

6)

Input (k)	Output (u)
38	23
43	28
42	27
48	33
50	35

7)

In (o)	40	45	63	39
Out (h)	26	31	49	25

8)

In (h)	31	36	49	42
Out (i)	16	21	34	27

9)

In (y)	38	36	47	25
Out (p)	46	44	55	33

10)

In (g)	12	16	28	29
Out (f)	27	31	43	44

11)

In (v)	22	46	49	33
Out (l)	30	54	57	41

12)

In (m)	30	46	31	47
Out (y)	15	31	16	32

Answers

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



Determine what rule the function machine is using.

1)

Input (u)	Output (c)
37	43
23	29
26	32
16	22
11	17

Add 6

2)

Input (v)	Output (f)
36	41
44	49
23	28
13	18
16	21

Add 5

3)

Input (a)	Output (r)
49	34
45	30
36	21
47	32
54	39

Subtract 15

4)

Input (h)	Output (s)
15	20
36	41
11	16
23	28
12	17

Add 5

5)

Input (y)	Output (i)
32	26
39	33
40	34
24	18
45	39

Subtract 6

6)

Input (k)	Output (u)
38	23
43	28
42	27
48	33
50	35

Subtract 15

7)

In (o)	40	45	63	39
Out (h)	26	31	49	25

Subtract 14

8)

In (h)	31	36	49	42
Out (i)	16	21	34	27

Subtract 15

9)

In (y)	38	36	47	25
Out (p)	46	44	55	33

Add 8

10)

In (g)	12	16	28	29
Out (f)	27	31	43	44

Add 15

11)

In (v)	22	46	49	33
Out (l)	30	54	57	41

Add 8

12)

In (m)	30	46	31	47
Out (y)	15	31	16	32

Subtract 15

Answers

1. Add 6

2. Add 5

3. Subtract 15

4. Add 5

5. Subtract 6

6. Subtract 15

7. Subtract 14

8. Subtract 15

9. Add 8

10. Add 15

11. Add 8

12. Subtract 15



Determine what rule the function machine is using.

Add 8	Subtract 14	Subtract 15	Subtract 15
Add 5	Subtract 15	Add 5	Subtract 6
Add 6			

1)

Input (u)	Output (c)
37	43
23	29
26	32
16	22
11	17

2)

Input (v)	Output (f)
36	41
44	49
23	28
13	18
16	21

3)

Input (a)	Output (r)
49	34
45	30
36	21
47	32
54	39

4)

Input (h)	Output (s)
15	20
36	41
11	16
23	28
12	17

5)

Input (y)	Output (i)
32	26
39	33
40	34
24	18
45	39

6)

Input (k)	Output (u)
38	23
43	28
42	27
48	33
50	35

7)

In (o)	40	45	63	39
Out (h)	26	31	49	25

8)

In (h)	31	36	49	42
Out (i)	16	21	34	27

9)

In (y)	38	36	47	25
Out (p)	46	44	55	33

Answers

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