Determining Function Machine Rule Name:

Determine what rule the function machine is using.

1)

Input (z)	Output (e)
33	47
27	41
20	34
19	33
40	54

2)

Input (m)	Output (i)
54	39
28	13
43	28
60	45
30	15

3)

Input (z)	Output (p)
39	34
29	24
18	13
46	41
35	30

4)

Input (z)	Output (h)
47	59
43	55
26	38
44	56
17	29

5)

Input (u)	Output (n)
31	16
58	43
26	11
29	14
54	39

6)

Input (h)	Output (f)
52	44
46	38
18	10
29	21
19	11

7)

In (t)	15	14	39	23
Out (h)	20	19	44	28

8)

In (c)	40	43	26	32
Out (g)	55	58	41	47

9)

In (e)	14	25	15	27
Out (j)	26	37	27	39

10)

In (o)	24	61	45	28
Out (h)	11	48	32	15

11)

In (o)	11	41	15	26
Out (y)	16	46	20	31

12)

In (k)	54	37	15	41
Out (a)	49	32	10	36

Answers

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

1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

Determining Function Machine Rule

Name: **Answer Key**

Determine what rule the function machine is using.

1)

Input (z)	Output (e)
33	47
27	41
20	34
19	33
40	54

Add 14

2)

Input (m)	Output (i)
54	39
28	13
43	28
60	45
30	15

Subtract 15

3)

Input (z)	Output (p)
39	34
29	24
18	13
46	41
35	30

Subtract 5

4)

Input (z)	Output (h)
47	59
43	55
26	38
44	56
17	29

Add 12

5)

Input (u)	Output (n)
31	16
58	43
26	11
29	14
54	39

Subtract 15

6)

Input (h)	Output (f)
52	44
46	38
18	10
29	21
19	11

Subtract 8

7)

In (t)	15	14	39	23
Out (h)	20	19	44	28

Add 5

8)

In (c)	40	43	26	32
Out (g)	55	58	41	47

Add 15

9)

In (e)	14	25	15	27
Out (j)	26	37	27	39

Add 12

10)

In (o)	24	61	45	28
Out (h)	11	48	32	15

Subtract 13

11)

In (o)	11	41	15	26
Out (y)	16	46	20	31

Add 5

12)

In (k)	54	37	15	41
Out (a)	49	32	10	36

Subtract 5

Answers

1. Add 14
2. Subtract 15
3. Subtract 5
4. Add 12
5. Subtract 15
6. Subtract 8
7. Add 5
8. Add 15
9. Add 12
10. Subtract 13
11. Add 5
12. Subtract 5

1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

Determining Function Machine Rule

Name:

Determine what rule the function machine is using.

Add 14	Add 15	Subtract 15	Subtract 5
Add 12	Subtract 15	Add 5	Add 12
Subtract 8			

1)

Input (z)	Output (e)
33	47
27	41
20	34
19	33
40	54

2)

Input (m)	Output (i)
54	39
28	13
43	28
60	45
30	15

3)

Input (z)	Output (p)
39	34
29	24
18	13
46	41
35	30

4)

Input (z)	Output (h)
47	59
43	55
26	38
44	56
17	29

5)

Input (u)	Output (n)
31	16
58	43
26	11
29	14
54	39

6)

Input (h)	Output (f)
52	44
46	38
18	10
29	21
19	11

7)

In (t)	15	14	39	23
Out (h)	20	19	44	28

8)

In (c)	40	43	26	32
Out (g)	55	58	41	47

9)

In (e)	14	25	15	27
Out (j)	26	37	27	39

Answers

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