Determining Function Machine Rule Name:

Determine what rule the function machine is using.

1)

Input (z)	Output (k)
54	49
18	13
38	33
41	36
39	34

2)

Input (h)	Output (y)
19	12
32	25
39	32
48	41
26	19

3)

Input (v)	Output (m)
37	51
33	47
14	28
19	33
46	60

4)

Input (s)	Output (k)
37	44
49	56
39	46
11	18
31	38

5)

Input (d)	Output (q)
37	50
30	43
22	35
31	44
43	56

6)

Input (j)	Output (p)
28	16
60	48
53	41
29	17
37	25

7)

In (z)	50	48	65	64
Out (n)	35	33	50	49

8)

In (q)	33	26	19	54
Out (y)	24	17	10	45

9)

In (k)	19	37	47	27
Out (p)	24	42	52	32

10)

In (o)	37	18	24	20
Out (l)	50	31	37	33

11)

In (f)	41	11	22	42
Out (j)	54	24	35	55

12)

In (s)	41	42	43	27
Out (e)	35	36	37	21

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 (k)
54	49
18	13
38	33
41	36
39	34

Subtract 5

2)

Input (h)	Output (y)
19	12
32	25
39	32
48	41
26	19

Subtract 7

3)

Input (v)	Output (m)
37	51
33	47
14	28
19	33
46	60

Add 14

4)

Input (s)	Output (k)
37	44
49	56
39	46
11	18
31	38

Add 7

5)

Input (d)	Output (q)
37	50
30	43
22	35
31	44
43	56

Add 13

6)

Input (j)	Output (p)
28	16
60	48
53	41
29	17
37	25

Subtract 12

7)

In (z)	50	48	65	64
Out (n)	35	33	50	49

Subtract 15

8)

In (q)	33	26	19	54
Out (y)	24	17	10	45

Subtract 9

9)

In (k)	19	37	47	27
Out (p)	24	42	52	32

Add 5

10)

In (o)	37	18	24	20
Out (l)	50	31	37	33

Add 13

11)

In (f)	41	11	22	42
Out (j)	54	24	35	55

Add 13

12)

In (s)	41	42	43	27
Out (e)	35	36	37	21

Subtract 6

Answers

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

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.

Subtract 12	Add 7	Add 14	Subtract 5
Subtract 9	Subtract 7	Subtract 15	Add 13
Add 5			

1)

Input (z)	Output (k)
54	49
18	13
38	33
41	36
39	34

2)

Input (h)	Output (y)
19	12
32	25
39	32
48	41
26	19

3)

Input (v)	Output (m)
37	51
33	47
14	28
19	33
46	60

4)

Input (s)	Output (k)
37	44
49	56
39	46
11	18
31	38

5)

Input (d)	Output (q)
37	50
30	43
22	35
31	44
43	56

6)

Input (j)	Output (p)
28	16
60	48
53	41
29	17
37	25

7)

In (z)	50	48	65	64
Out (n)	35	33	50	49

8)

In (q)	33	26	19	54
Out (y)	24	17	10	45

9)

In (k)	19	37	47	27
Out (p)	24	42	52	32

Answers

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