

Patterns and Functions- Function Machines Questions

Directions: Write the rule for each function, then complete the table

1. Rule:

In	Out	Apply Rule
-1	2	
0	3	
2	5	
3		
4		
5		

2. Rule:

In	Out
4	0
5	1
6	2
9	
11	
13	

3. Rule:

In	Out	Apply Rule
2	3	
0	1	
-1	0	
-3		
-4		
-8		

4. Rule:

In	Out
3	6
4	
6	12
9	
11	
13	26

5. Rule:

In	Out	Apply Rule
8	24	
9	27	
11		
12		
14		
15	45	

6. Rule:

In	Out
50	52
42	44
40	42
37	
16	
12	

Patterns and Functions- Function Machines Questions (Cont'd)

7. Rule:

In	Out
1	-3
2	-2
4	
6	2
9	
12	

8. Rule:

In	Out
2	1
4	2
6	
8	4
12	
20	

9. Rule:

In	Out
-2	-8
-1	-4
2	8
4	
5	
10	

10. Rule:

In	Out
20	10
30	
50	
60	
80	40
100	50

11. Rule:

In	Out	Apply Rule
3	7	
4	9	
6	13	
8		
9		
10		

12. Rule:

In	Out
3	5
4	7
5	9
7	
8	
10	

13. Rule:

In	Out	Apply Rule
1	5	
2	8	
3	11	
4		
5		
6		

14. Rule:

In	Out
-3	-1
0	0
3	1
6	
9	
12	