Function Machines - Creating Equations

Name:

Write an equation to show the relationship between the input and the output.

1)

Input (q)	Output (f)
7	2
11	6
9	4
8	3
10	5

2)

Input (a)	Output (g)
22	3
26	7
24	5
25	6
21	2

3)

Input (i)	Output (c)
32	4
80	10
56	7
40	5
64	8

4)

Input (j)	Output (m)
10	11
3	4
8	9
9	10
6	7

5)

Input (p)	Output (s)
24	5
25	6
29	10
21	2
27	8

6)

Input (q)	Output (g)
4	36
7	63
8	72
3	27
2	18

7)

in(z)	15	20	40	10
out(r)	3	4	8	2

8)

in(u)	12	18	14	11
out(d)	4	10	6	3

9)

in(i)	12	8	4	14
out(o)	6	4	2	7

10)

in(m)	3	6	4	5
out(k)	27	54	36	45

11)

in(p)	5	7	6	9
out(q)	18	20	19	22

12)

in(o)	7	8	3	5
out(e)	21	24	9	15

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								

Function Machines - Creating Equations

Name: **Answer Key**

Write an equation to show the relationship between the input and the output.

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Input (q)	Output (f)
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11	6
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Input (a)	Output (g)
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Input (j)	Output (m)
10	11
3	4
8	9
9	10
6	7

5)

Input (p)	Output (s)
24	5
25	6
29	10
21	2
27	8

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Input (q)	Output (g)
4	36
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7)

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12)

in(o)	7	8	3	5
out(e)	21	24	9	15

Answers

1. q - 5 = f
2. a - 19 = g
3. i ÷ 8 = c
4. j + 1 = m
5. p - 19 = s
6. q × 9 = g
7. z ÷ 5 = r
8. u - 8 = d
9. i ÷ 2 = o
10. m × 9 = k
11. p + 13 = q
12. o × 3 = e

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