Function Machines - Creating Equations Name:

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

1)

Input (q)	Output (d)
6	30
9	45
7	35
4	20
10	50

2)

Input (t)	Output (z)
36	9
24	6
8	2
12	3
20	5

3)

Input (w)	Output (g)
17	5
22	10
19	7
16	4
18	6

4)

Input (p)	Output (y)
56	7
64	8
80	10
24	3
32	4

5)

Input (f)	Output (g)
6	3
8	4
20	10
4	2
12	6

6)

Input (n)	Output (q)
5	50
6	60
4	40
10	100
9	90

7)

In (d)	7	8	9	10
Out (m)	26	27	28	29

8)

In (o)	3	5	8	7
Out (f)	14	16	19	18

9)

In (r)	27	26	23	19
Out (p)	10	9	6	2

10)

In (m)	5	9	3	8
Out (j)	35	63	21	56

11)

In (t)	30	48	12	42
Out (w)	5	8	2	7

12)

In (g)	22	26	30	29
Out (i)	2	6	10	9

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.

1)

Input (q)	Output (d)
6	30
9	45
7	35
4	20
10	50

q × 5 = d

2)

Input (t)	Output (z)
36	9
24	6
8	2
12	3
20	5

t ÷ 4 = z

3)

Input (w)	Output (g)
17	5
22	10
19	7
16	4
18	6

w - 12 = g

4)

Input (p)	Output (y)
56	7
64	8
80	10
24	3
32	4

p ÷ 8 = y

5)

Input (f)	Output (g)
6	3
8	4
20	10
4	2
12	6

f ÷ 2 = g

6)

Input (n)	Output (q)
5	50
6	60
4	40
10	100
9	90

n × 10 = q

7)

In (d)	7	8	9	10
Out (m)	26	27	28	29

d + 19 = m

8)

In (o)	3	5	8	7
Out (f)	14	16	19	18

o + 11 = f

9)

In (r)	27	26	23	19
Out (p)	10	9	6	2

r - 17 = p

10)

In (m)	5	9	3	8
Out (j)	35	63	21	56

m × 7 = j

11)

In (t)	30	48	12	42
Out (w)	5	8	2	7

t ÷ 6 = w

12)

In (g)	22	26	30	29
Out (i)	2	6	10	9

g - 20 = i

Answers

1. q × 5 = d
2. t ÷ 4 = z
3. w - 12 = g
4. p ÷ 8 = y
5. f ÷ 2 = g
6. n × 10 = q
7. d + 19 = m
8. o + 11 = f
9. r - 17 = p
10. m × 7 = j
11. t ÷ 6 = w
12. g - 20 = i

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