Name:

Determine which rule best represents the expression the function machine used.

1)

Input (T)	9	4	2	10	7
Output	54	19	5	61	40

A. $T \times 7 - 9$ B. $T \times 9$
C. $T + 9$ D. $T \times 7 - 11$

2)

Input (P)	4	2	10	9	7
Output	28	14	70	63	49

A. $P \times 7$ B. $P \times 7 + 7$
C. $P + 4$ D. $P + 7$

3)

Input (H)	10	4	2	9	7
Output	102	42	22	92	72

A. $H + 10$ B. $H \times 10 - 4$
C. $H + 2$ D. $H \times 10 + 2$

4)

Input (G)	7	2	9	10	4
Output	15	10	17	18	12

A. $G \times 8 + 4$ B. $G \times 11 - 2$
C. $G \times 8 - 1$ D. $G + 8$

5)

Input (L)	2	10	4	9	7
Output	11	19	13	18	16

A. $L + 9$ B. $L \times 4$
C. $L \times 9 - 7$ D. $L \times 9$

6)

Input (Q)	7	4	10	9	2
Output	73	46	100	91	28

A. $Q \times 9 + 11$ B. $Q \times 9$
C. $Q \times 9 + 10$ D. $Q \times 12 - 10$

7)

Input (M)	14	7	12	15	9
Output	9	2	7	10	4

A. $M \times 10$ B. $M \times 10 + 10$
C. $M \times 7 - 10$ D. $M - 5$

8)

Input (J)	2	4	10	7	9
Output	3	13	43	28	38

A. $J \times 7$ B. $J \times 5 + 9$
C. $J \times 4 - 7$ D. $J \times 5 - 7$

9)

Input (R)	10	9	7	2	4
Output	90	81	63	18	36

A. $R + 9$ B. $R \times 11 - 2$
C. $R \times 9 - 5$ D. $R \times 9$

10)

Input (N)	7	2	4	9	10
Output	23	13	17	27	29

A. $N \times 2 + 9$ B. $N \times 3 - 9$
C. $N \times 7 + 9$ D. $N + 2$

Name:

Determine which rule best represents the expression the function machine used.

1)

Input (T)	9	4	2	10	7
Output	54	19	5	61	40

A. T × 7 - 9   B. T × 9

C. T + 9   D. T × 7 - 11

1. **A**

2. **A**

2)

Input (P)	4	2	10	9	7
Output	28	14	70	63	49

A. P × 7   B. P × 7 + 7

C. P + 4   D. P + 7

3. **D**

4. **D**

3)

Input (H)	10	4	2	9	7
Output	102	42	22	92	72

A. H + 10   B. H × 10 - 4

C. H + 2   D. H × 10 + 2

5. **A**

6. **C**

4)

Input (G)	7	2	9	10	4
Output	15	10	17	18	12

A. G × 8 + 4   B. G × 11 - 2

C. G × 8 - 1   D. G + 8

7. **D**

8. **D**

5)

Input (L)	2	10	4	9	7
Output	11	19	13	18	16

A. L + 9   B. L × 4

C. L × 9 - 7   D. L × 9

9. **D**

10. **A**

6)

Input (Q)	7	4	10	9	2
Output	73	46	100	91	28

A. Q × 9 + 11   B. Q × 9

C. Q × 9 + 10   D. Q × 12 - 10

7)

Input (M)	14	7	12	15	9
Output	9	2	7	10	4

A. M × 10   B. M × 10 + 10

C. M × 7 - 10   D. M - 5

8)

Input (J)	2	4	10	7	9
Output	3	13	43	28	38

A. J × 7   B. J × 5 + 9

C. J × 4 - 7   D. J × 5 - 7

9)

Input (R)	10	9	7	2	4
Output	90	81	63	18	36

A. R + 9   B. R × 11 - 2

C. R × 9 - 5   D. R × 9

10)

Input (N)	7	2	4	9	10
Output	23	13	17	27	29

A. N × 2 + 9   B. N × 3 - 9

C. N × 7 + 9   D. N + 2

1-10	90	80	70	60	50	40	30	20	10	0