Finding Rule w/ Two Steps Name:

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

1)

Input (P)	5	9	8	4	7
Output	14	18	17	13	16

A. P × 3 B. P + 9
C. P × 9 D. P + 3

2)

Input (V)	7	8	3	6	4
Output	41	46	21	36	26

A. V × 5 + 6 B. V × 7 + 6
C. V + 6 D. V × 6

3)

Input (S)	9	10	7	6	8
Output	81	90	63	54	72

A. S × 11 - 8 B. S × 14 + 8
C. S × 9 D. S × 9 + 11

4)

Input (G)	10	3	2	5	8
Output	16	9	8	11	14

A. G + 6 B. G × 6
C. G × 6 + 4 D. G × 5

5)

Input (M)	12	17	13	20	18
Output	2	7	3	10	8

A. M × 12 + 2 B. M × 12 - 2
C. M × 10 - 4 D. M - 10

6)

Input (H)	7	10	6	9	5
Output	44	59	39	54	34

A. H × 5 + 8 B. H × 5 - 10
C. H × 9 D. H × 5 + 9

7)

Input (T)	10	4	9	7	8
Output	73	31	66	52	59

A. T × 7 + 3 B. T × 7
C. T × 10 + 3 D. T + 7

8)

Input (N)	9	2	4	8	3
Output	14	7	9	13	8

A. N × 8 - 4 B. N + 5
C. N × 5 - 3 D. N × 8 + 4

9)

Input (K)	4	9	5	3	2
Output	12	27	15	9	6

A. K × 6 B. K × 3
C. K + 6 D. K × 3 + 8

10)

Input (J)	5	2	8	6	10
Output	50	20	80	60	100

A. J × 10 + 7 B. J × 10
C. J × 4 D. J × 10 - 3

Answers

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

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

Finding Rule w/ Two Steps Name: **Answer Key**

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

1)

Input (P)	5	9	8	4	7
Output	14	18	17	13	16

A. P × 3 B. P + 9
C. P × 9 D. P + 3

2)

Input (V)	7	8	3	6	4
Output	41	46	21	36	26

A. V × 5 + 6 B. V × 7 + 6
C. V + 6 D. V × 6

3)

Input (S)	9	10	7	6	8
Output	81	90	63	54	72

A. S × 11 - 8 B. S × 14 + 8
C. S × 9 D. S × 9 + 11

4)

Input (G)	10	3	2	5	8
Output	16	9	8	11	14

A. G + 6 B. G × 6
C. G × 6 + 4 D. G × 5

5)

Input (M)	12	17	13	20	18
Output	2	7	3	10	8

A. M × 12 + 2 B. M × 12 - 2
C. M × 10 - 4 D. M - 10

6)

Input (H)	7	10	6	9	5
Output	44	59	39	54	34

A. H × 5 + 8 B. H × 5 - 10
C. H × 9 D. H × 5 + 9

7)

Input (T)	10	4	9	7	8
Output	73	31	66	52	59

A. T × 7 + 3 B. T × 7
C. T × 10 + 3 D. T + 7

8)

Input (N)	9	2	4	8	3
Output	14	7	9	13	8

A. N × 8 - 4 B. N + 5
C. N × 5 - 3 D. N × 8 + 4

9)

Input (K)	4	9	5	3	2
Output	12	27	15	9	6

A. K × 6 B. K × 3
C. K + 6 D. K × 3 + 8

10)

Input (J)	5	2	8	6	10
Output	50	20	80	60	100

A. J × 10 + 7 B. J × 10
C. J × 4 D. J × 10 - 3

Answers

1. B
2. A
3. C
4. A
5. D
6. D
7. A
8. B
9. B
10. B

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