Finding Rule w/ Two Steps Name:

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

1)

Input (N)	6	3	4	7	5
Output	12	9	10	13	11

A. N + 5 B. N + 6
C. N × 6 + 6 D. N × 5

2)

Input (U)	7	6	5	3	4
Output	34	28	22	10	16

A. U × 8 B. U × 6 - 11
C. U + 8 D. U × 6 - 8

3)

Input (G)	5	3	4	7	6
Output	30	18	24	42	36

A. G × 11 + 10 B. G × 6
C. G × 6 - 11 D. G + 10

4)

Input (Y)	14	16	15	13	17
Output	4	6	5	3	7

A. Y - 10 B. Y × 10 + 4
C. Y × 14 + 2 D. Y × 11 - 2

5)

Input (J)	15	14	16	17	13
Output	5	4	6	7	3

A. J + 10 B. J × 10
C. J - 10 D. J × 13 - 2

6)

Input (R)	3	7	5	6	4
Output	28	52	40	46	34

A. R × 10 B. R × 10 + 10
C. R × 6 + 10 D. R + 10

7)

Input (Q)	5	7	3	6	4
Output	49	65	33	57	41

A. Q + 9 B. Q × 8 + 9
C. Q × 8 - 10 D. Q × 9

8)

Input (S)	7	5	6	3	4
Output	14	10	12	6	8

A. S × 6 + 4 B. S × 2 + 6
C. S × 2 D. S × 4

9)

Input (K)	4	6	7	5	3
Output	7	9	10	8	6

A. K × 4 B. K × 3 - 3
C. K × 8 + 4 D. K + 3

10)

Input (V)	5	6	7	3	4
Output	48	58	68	28	38

A. V × 10 - 5 B. V + 2
C. V × 10 D. V × 10 - 2

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.

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Output	12	9	10	13	11

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C. N × 6 + 6 D. N × 5

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Output	5	4	6	7	3

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6)

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8)

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A. S × 6 + 4 B. S × 2 + 6
C. S × 2 D. S × 4

9)

Input (K)	4	6	7	5	3
Output	7	9	10	8	6

A. K × 4 B. K × 3 - 3
C. K × 8 + 4 D. K + 3

10)

Input (V)	5	6	7	3	4
Output	48	58	68	28	38

A. V × 10 - 5 B. V + 2
C. V × 10 D. V × 10 - 2

Answers

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

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