Finding Rule w/ Two Steps

Name:

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

1)

Input (V)	11	9	12	7	10
Output	6	4	7	2	5

A. V × 7 + 9 B. V - 5
C. V × 5 D. V × 5 + 12

2)

Input (R)	17	14	12	18	13
Output	7	4	2	8	3

A. R + 7 B. R - 10
C. R × 10 + 8 D. R × 7

3)

Input (Y)	10	3	2	5	4
Output	96	26	16	46	36

A. Y × 13 + 4 B. Y × 4
C. Y × 10 - 4 D. Y × 10

4)

Input (J)	5	8	7	3	10
Output	16	31	26	6	41

A. J × 5 - 9 B. J × 8 - 9
C. J × 5 D. J × 5 - 8

5)

Input (T)	9	8	2	10	3
Output	12	11	5	13	6

A. T + 3 B. T × 6 + 8
C. T × 3 + 11 D. T + 8

6)

Input (G)	2	5	8	7	9
Output	12	15	18	17	19

A. G + 10 B. G × 15 + 7
C. G × 10 D. G × 10 - 6

7)

Input (P)	10	7	6	5	4
Output	15	12	11	10	9

A. P × 5 - 10 B. P × 8 + 7
C. P + 5 D. P + 7

8)

Input (H)	2	8	5	6	7
Output	10	46	28	34	40

A. H × 7 - 2 B. H × 6
C. H × 6 - 2 D. H + 2

9)

Input (U)	6	9	4	7	2
Output	50	77	32	59	14

A. U × 9 - 4 B. U + 4
C. U × 9 - 5 D. U × 4

10)

Input (Z)	8	9	2	4	10
Output	72	81	18	36	90

A. Z × 9 B. Z × 9 - 3
C. Z + 9 D. Z × 11 - 4

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 (V)	11	9	12	7	10
Output	6	4	7	2	5

A. V × 7 + 9 B. V - 5
C. V × 5 D. V × 5 + 12

2)

Input (R)	17	14	12	18	13
Output	7	4	2	8	3

A. R + 7 B. R - 10
C. R × 10 + 8 D. R × 7

3)

Input (Y)	10	3	2	5	4
Output	96	26	16	46	36

A. Y × 13 + 4 B. Y × 4
C. Y × 10 - 4 D. Y × 10

4)

Input (J)	5	8	7	3	10
Output	16	31	26	6	41

A. J × 5 - 9 B. J × 8 - 9
C. J × 5 D. J × 5 - 8

5)

Input (T)	9	8	2	10	3
Output	12	11	5	13	6

A. T + 3 B. T × 6 + 8
C. T × 3 + 11 D. T + 8

6)

Input (G)	2	5	8	7	9
Output	12	15	18	17	19

A. G + 10 B. G × 15 + 7
C. G × 10 D. G × 10 - 6

7)

Input (P)	10	7	6	5	4
Output	15	12	11	10	9

A. P × 5 - 10 B. P × 8 + 7
C. P + 5 D. P + 7

8)

Input (H)	2	8	5	6	7
Output	10	46	28	34	40

A. H × 7 - 2 B. H × 6
C. H × 6 - 2 D. H + 2

9)

Input (U)	6	9	4	7	2
Output	50	77	32	59	14

A. U × 9 - 4 B. U + 4
C. U × 9 - 5 D. U × 4

10)

Input (Z)	8	9	2	4	10
Output	72	81	18	36	90

A. Z × 9 B. Z × 9 - 3
C. Z + 9 D. Z × 11 - 4

Answers

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

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