Finding Rule w/ Two Steps

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

1)

Input (P)	5	8	10	3	9
Output	30	54	70	14	62

A. P + 8   B. P × 10 + 10

C. P × 8   D. P × 8 - 10

2)

Input (T)	5	8	10	3	9
Output	15	21	25	11	23

A. T × 2 + 5   B. T × 2 - 8

C. T × 3 - 5   D. T + 5

3)

Input (F)	10	8	9	3	5
Output	109	89	99	39	59

A. F × 10 + 9   B. F + 9

C. F × 14 + 9   D. F × 10 + 8

4)

Input (N)	8	9	3	10	5
Output	16	18	6	20	10

A. N × 2 + 12   B. N × 10

C. N × 2 - 9   D. N × 2

5)

Input (L)	10	9	5	8	3
Output	50	45	25	40	15

A. L × 5 - 7   B. L × 5

C. L + 8   D. L × 7 - 8

6)

Input (U)	9	3	10	8	5
Output	54	12	61	47	26

A. U + 7   B. U × 7 - 9

C. U × 7   D. U + 9

7)

Input (R)	8	10	3	9	5
Output	18	20	13	19	15

A. R + 10   B. R × 13 + 9

C. R + 9   D. R × 10 + 11

8)

Input (H)	10	5	3	8	9
Output	23	13	9	19	21

A. H × 5 + 3   B. H × 2 + 3

C. H × 3   D. H + 3

9)

Input (J)	15	12	17	10	16
Output	8	5	10	3	9

A. J - 7   B. J + 10

C. J × 10 + 10   D. J × 10

10)

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

A. S × 8   B. S + 3

C. S × 3   D. S × 2 - 8

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

Math

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

1)

Input (P)	5	8	10	3	9
Output	30	54	70	14	62

A. $P + 8$ B. $P \times 10 + 10$

C. $P \times 8$ D. $P \times 8 - 10$

1.   **D**

2.   **A**

2)

Input (T)	5	8	10	3	9
Output	15	21	25	11	23

A. $T \times 2 + 5$ B. $T \times 2 - 8$

C. $T \times 3 - 5$ D. $T + 5$

3.   **A**

4.   **D**

3)

Input (F)	10	8	9	3	5
Output	109	89	99	39	59

A. $F \times 10 + 9$ B. $F + 9$

C. $F \times 14 + 9$ D. $F \times 10 + 8$

5.   **B**

6.   **B**

4)

Input (N)	8	9	3	10	5
Output	16	18	6	20	10

A. $N \times 2 + 12$ B. $N \times 10$

C. $N \times 2 - 9$ D. $N \times 2$

7.   **A**

8.   **B**

5)

Input (L)	10	9	5	8	3
Output	50	45	25	40	15

A. $L \times 5 - 7$ B. $L \times 5$

C. $L + 8$ D. $L \times 7 - 8$

9.   **A**

10.   **B**

6)

Input (U)	9	3	10	8	5
Output	54	12	61	47	26

A. $U + 7$ B. $U \times 7 - 9$

C. $U \times 7$ D. $U + 9$

7)

Input (R)	8	10	3	9	5
Output	18	20	13	19	15

A. $R + 10$ B. $R \times 13 + 9$

C. $R + 9$ D. $R \times 10 + 11$

8)

Input (H)	10	5	3	8	9
Output	23	13	9	19	21

A. $H \times 5 + 3$ B. $H \times 2 + 3$

C. $H \times 3$ D. $H + 3$

9)

Input (J)	15	12	17	10	16
Output	8	5	10	3	9

A. $J - 7$ B. $J + 10$

C. $J \times 10 + 10$ D. $J \times 10$

10)

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

A. $S \times 8$ B. $S + 3$

C. $S \times 3$ D. $S \times 2 - 8$

Math

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