



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

Answers

1)

Input (W)	4	9	3	7	2
Output	13	18	12	16	11

A. $W \times 14 + 10$
B. $W \times 9 + 9$
C. $W \times 10$
D. $W + 9$

1. _____

2)

Input (P)	2	4	3	9	7
Output	19	29	24	54	44

A. $P \times 5 + 9$
B. $P + 9$
C. $P \times 9 + 9$
D. $P + 5$

2. _____

3)

Input (J)	7	4	9	2	3
Output	40	19	54	5	12

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

3. _____

4)

Input (F)	4	7	2	9	3
Output	42	72	22	92	32

A. $F \times 10$
B. $F \times 14 + 2$
C. $F + 10$
D. $F \times 10 + 2$

4. _____

5)

Input (G)	16	14	9	11	10
Output	9	7	2	4	3

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

5. _____

6)

Input (Y)	9	4	7	3	2
Output	90	40	70	30	20

A. $Y + 10$
B. $Y \times 10 - 4$
C. $Y \times 3$
D. $Y \times 10$

6. _____

7)

Input (L)	10	8	13	15	9
Output	4	2	7	9	3

A. $L \times 6 - 9$
B. $L + 8$
C. $L - 6$
D. $L \times 6 + 9$

7. _____

8)

Input (R)	9	3	7	4	2
Output	11	5	9	6	4

A. $R \times 7 + 6$
B. $R \times 2 - 9$
C. $R + 2$
D. $R + 6$

8. _____

9)

Input (T)	4	9	2	3	7
Output	21	36	15	18	30

A. $T + 9$
B. $T \times 3 + 9$
C. $T \times 3 + 10$
D. $T \times 4 - 9$

9. _____

10)

Input (H)	2	3	4	9	7
Output	1	6	11	36	26

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

10. _____



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

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1)

Input (W)	4	9	3	7	2
Output	13	18	12	16	11

A. $W \times 14 + 10$
B. $W \times 9 + 9$
C. $W \times 10$
D. $W + 9$

1. **D**

2)

Input (P)	2	4	3	9	7
Output	19	29	24	54	44

A. $P \times 5 + 9$
B. $P + 9$
C. $P \times 9 + 9$
D. $P + 5$

2. **A**

3)

Input (J)	7	4	9	2	3
Output	40	19	54	5	12

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

3. **D**

4)

Input (F)	4	7	2	9	3
Output	42	72	22	92	32

A. $F \times 10$
B. $F \times 14 + 2$
C. $F + 10$
D. $F \times 10 + 2$

4. **D**

5)

Input (G)	16	14	9	11	10
Output	9	7	2	4	3

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

5. **D**

6)

Input (Y)	9	4	7	3	2
Output	90	40	70	30	20

A. $Y + 10$
B. $Y \times 10 - 4$
C. $Y \times 3$
D. $Y \times 10$

6. **D**

7)

Input (L)	10	8	13	15	9
Output	4	2	7	9	3

A. $L \times 6 - 9$
B. $L + 8$
C. $L - 6$
D. $L \times 6 + 9$

7. **C**

8)

Input (R)	9	3	7	4	2
Output	11	5	9	6	4

A. $R \times 7 + 6$
B. $R \times 2 - 9$
C. $R + 2$
D. $R + 6$

8. **C**

9)

Input (T)	4	9	2	3	7
Output	21	36	15	18	30

A. $T + 9$
B. $T \times 3 + 9$
C. $T \times 3 + 10$
D. $T \times 4 - 9$

9. **B**

10)

Input (H)	2	3	4	9	7
Output	1	6	11	36	26

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

10. **B**