



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	A. $L \times 6 - 9$	B. $L + 8$
	Output	4	2	7	9	3	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	A. $H \times 7 - 9$	B. $H \times 5 - 9$
	Output	1	6	11	36	26	C. $H + 9$	D. $H + 5$

10. _____



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

Answers

1)	Input (W)	4	9	3	7	2	A. $W \times 14 + 10$	B. $W \times 9 + 9$
	Output	13	18	12	16	11	C. $W \times 10$	D. $W + 9$

1. **D**

2)	Input (P)	2	4	3	9	7	A. $P \times 5 + 9$	B. $P + 9$
	Output	19	29	24	54	44	C. $P \times 9 + 9$	D. $P + 5$

2. **A**3. **D**

3)	Input (J)	7	4	9	2	3	A. $J + 7$	B. $J \times 7 - 11$
	Output	40	19	54	5	12	C. $J \times 9 + 9$	D. $J \times 7 - 9$

4. **D**5. **D**

4)	Input (F)	4	7	2	9	3	A. $F \times 10$	B. $F \times 14 + 2$
	Output	42	72	22	92	32	C. $F + 10$	D. $F \times 10 + 2$

6. **D**7. **C**8. **C**

5)	Input (G)	16	14	9	11	10	A. $G \times 9 + 9$	B. $G \times 7$
	Output	9	7	2	4	3	C. $G \times 9$	D. $G - 7$

9. **B**10. **B**

6)	Input (Y)	9	4	7	3	2	A. $Y + 10$	B. $Y \times 10 - 4$
	Output	90	40	70	30	20	C. $Y \times 3$	D. $Y \times 10$

7)	Input (L)	10	8	13	15	9	A. $L \times 6 - 9$	B. $L + 8$
	Output	4	2	7	9	3	C. $L - 6$	D. $L \times 6 + 9$

8)	Input (R)	9	3	7	4	2	A. $R \times 7 + 6$	B. $R \times 2 - 9$
	Output	11	5	9	6	4	C. $R + 2$	D. $R + 6$

9)	Input (T)	4	9	2	3	7	A. $T + 9$	B. $T \times 3 + 9$
	Output	21	36	15	18	30	C. $T \times 3 + 10$	D. $T \times 4 - 9$

10)	Input (H)	2	3	4	9	7	A. $H \times 7 - 9$	B. $H \times 5 - 9$
	Output	1	6	11	36	26	C. $H + 9$	D. $H + 5$