



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

Answers

1)

Input (K)	19	13	18	15	14
Output	9	3	8	5	4

- A. $K \times 9 - 6$ B. $K - 10$
 C. $K \times 13 + 6$ D. $K + 6$

1. _____

2)

Input (H)	6	5	2	9	10
Output	10	9	6	13	14

- A. $H + 10$ B. $H + 4$
 C. $H \times 10$ D. $H \times 6 + 10$

2. _____

3)

Input (U)	2	7	9	8	4
Output	11	31	39	35	19

- A. $U \times 7 + 3$ B. $U + 4$
 C. $U \times 4 + 3$ D. $U \times 3$

3. _____

4)

Input (G)	12	14	13	18	11
Output	4	6	5	10	3

- A. $G \times 8 + 7$ B. $G + 6$
 C. $G - 8$ D. $G \times 11 - 6$

4. _____

5)

Input (W)	9	8	7	2	4
Output	56	50	44	14	26

- A. $W \times 10 + 2$ B. $W + 2$
 C. $W \times 6 - 5$ D. $W \times 6 + 2$

5. _____

6)

Input (V)	6	2	9	8	10
Output	55	15	85	75	95

- A. $V \times 12 + 5$ B. $V \times 10 - 5$
 C. $V + 5$ D. $V \times 10 + 4$

6. _____

7)

Input (L)	9	6	10	5	4
Output	27	18	30	15	12

- A. $L + 3$ B. $L \times 3 + 4$
 C. $L \times 3$ D. $L \times 2$

7. _____

8)

Input (Q)	9	2	6	7	4
Output	90	20	60	70	40

- A. $Q \times 10$ B. $Q \times 10 + 10$
 C. $Q \times 8$ D. $Q \times 11 - 8$

8. _____

9)

Input (J)	7	8	10	6	2
Output	26	31	41	21	1

- A. $J \times 10 + 9$ B. $J \times 5 - 9$
 C. $J \times 4 - 9$ D. $J + 9$

9. _____

10)

Input (S)	10	8	7	15	13
Output	5	3	2	10	8

- A. $S + 6$ B. $S \times 10 + 6$
 C. $S \times 7 - 6$ D. $S - 5$

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Answers

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