Finding Rule w/ Two Steps Name:

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

1)

Input (Z)	9	5	7	2	10
Output	71	43	57	22	78

A. Z × 6 - 8 B. Z × 7 - 11
C. Z × 7 + 8 D. Z + 8

2)

Input (Q)	9	5	7	2	10
Output	12	8	10	5	13

A. Q + 4 B. Q × 3 + 3
C. Q × 3 D. Q + 3

3)

Input (V)	2	5	10	7	9
Output	6	27	62	41	55

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

4)

Input (Y)	5	7	2	10	9
Output	22	28	13	37	34

A. Y + 7 B. Y × 3 - 6
C. Y × 7 D. Y × 3 + 7

5)

Input (M)	7	5	2	9	10
Output	34	26	14	42	46

A. M × 4 + 7 B. M × 4 + 6
C. M + 4 D. M × 6

6)

Input (P)	7	2	9	10	5
Output	55	10	73	82	37

A. P + 8 B. P × 9
C. P × 9 - 8 D. P × 9 - 10

7)

Input (K)	2	10	7	9	5
Output	12	20	17	19	15

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

8)

Input (H)	20	12	15	19	17
Output	10	2	5	9	7

A. H × 10 - 5 B. H + 10
C. H × 11 - 2 D. H - 10

9)

Input (G)	7	2	10	5	9
Output	14	4	20	10	18

A. G × 2 - 6 B. G × 2 + 4
C. G × 2 D. G × 1 - 3

10)

Input (L)	20	12	17	15	19
Output	10	2	7	5	9

A. L - 10 B. L × 13 - 2
C. L + 10 D. L × 10 - 5

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

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

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10)

Input (L)	20	12	17	15	19
Output	10	2	7	5	9

A. L - 10 B. L × 13 - 2
C. L + 10 D. L × 10 - 5

Answers

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

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