



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

Answers

1) 

<b>Input (R)</b>	8	4	2	5	9
<b>Output</b>	48	24	12	30	54

- A.  $R \times 9$                       B.  $R + 6$   
 C.  $R \times 6 + 11$                 D.  $R \times 6$

1. \_\_\_\_\_

2) 

<b>Input (Q)</b>	6	2	7	8	4
<b>Output</b>	14	10	15	16	12

- A.  $Q \times 10 + 6$                 B.  $Q \times 8 - 9$   
 C.  $Q + 6$                         D.  $Q + 8$

2. \_\_\_\_\_

3) 

<b>Input (H)</b>	2	10	3	9	4
<b>Output</b>	7	15	8	14	9

- A.  $H \times 5 + 10$                 B.  $H + 8$   
 C.  $H \times 8 - 8$                 D.  $H + 5$

3. \_\_\_\_\_

4) 

<b>Input (U)</b>	2	6	4	3	9
<b>Output</b>	18	38	28	23	53

- A.  $U \times 8$                         B.  $U \times 5 + 8$   
 C.  $U \times 5 + 7$                 D.  $U + 8$

4. \_\_\_\_\_

5) 

<b>Input (S)</b>	13	12	15	17	18
<b>Output</b>	3	2	5	7	8

- A.  $S \times 7$                         B.  $S - 10$   
 C.  $S \times 10 + 8$                 D.  $S + 7$

5. \_\_\_\_\_

6) 

<b>Input (T)</b>	3	2	8	9	5
<b>Output</b>	9	8	14	15	11

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

6. \_\_\_\_\_

7) 

<b>Input (V)</b>	17	14	13	9	12
<b>Output</b>	10	7	6	2	5

- A.  $V \times 6$                         B.  $V \times 7$   
 C.  $V \times 7 - 7$                 D.  $V - 7$

7. \_\_\_\_\_

8) 

<b>Input (M)</b>	15	14	9	11	12
<b>Output</b>	8	7	2	4	5

- A.  $M \times 12 + 8$                 B.  $M - 7$   
 C.  $M \times 8$                         D.  $M + 8$

8. \_\_\_\_\_

9) 

<b>Input (K)</b>	16	18	17	12	19
<b>Output</b>	6	8	7	2	9

- A.  $K \times 10 - 5$                 B.  $K - 10$   
 C.  $K \times 10 + 7$                 D.  $K \times 12 + 6$

9. \_\_\_\_\_

10) 

<b>Input (N)</b>	8	10	9	5	7
<b>Output</b>	32	40	36	20	28

- A.  $N + 4$                         B.  $N \times 5$   
 C.  $N \times 4$                         D.  $N \times 6 + 5$

10. \_\_\_\_\_



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

1)	<b>Input (R)</b>	8	4	2	5	9
	<b>Output</b>	48	24	12	30	54

- A.  $R \times 9$                       B.  $R + 6$   
 C.  $R \times 6 + 11$                 D.  $R \times 6$

2)	<b>Input (Q)</b>	6	2	7	8	4
	<b>Output</b>	14	10	15	16	12

- A.  $Q \times 10 + 6$                 B.  $Q \times 8 - 9$   
 C.  $Q + 6$                         D.  $Q + 8$

3)	<b>Input (H)</b>	2	10	3	9	4
	<b>Output</b>	7	15	8	14	9

- A.  $H \times 5 + 10$                 B.  $H + 8$   
 C.  $H \times 8 - 8$                 D.  $H + 5$

4)	<b>Input (U)</b>	2	6	4	3	9
	<b>Output</b>	18	38	28	23	53

- A.  $U \times 8$                         B.  $U \times 5 + 8$   
 C.  $U \times 5 + 7$                 D.  $U + 8$

5)	<b>Input (S)</b>	13	12	15	17	18
	<b>Output</b>	3	2	5	7	8

- A.  $S \times 7$                         B.  $S - 10$   
 C.  $S \times 10 + 8$                 D.  $S + 7$

6)	<b>Input (T)</b>	3	2	8	9	5
	<b>Output</b>	9	8	14	15	11

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

7)	<b>Input (V)</b>	17	14	13	9	12
	<b>Output</b>	10	7	6	2	5

- A.  $V \times 6$                         B.  $V \times 7$   
 C.  $V \times 7 - 7$                 D.  $V - 7$

8)	<b>Input (M)</b>	15	14	9	11	12
	<b>Output</b>	8	7	2	4	5

- A.  $M \times 12 + 8$                 B.  $M - 7$   
 C.  $M \times 8$                         D.  $M + 8$

9)	<b>Input (K)</b>	16	18	17	12	19
	<b>Output</b>	6	8	7	2	9

- A.  $K \times 10 - 5$                 B.  $K - 10$   
 C.  $K \times 10 + 7$                 D.  $K \times 12 + 6$

10)	<b>Input (N)</b>	8	10	9	5	7
	<b>Output</b>	32	40	36	20	28

- A.  $N + 4$                         B.  $N \times 5$   
 C.  $N \times 4$                         D.  $N \times 6 + 5$

Answers

1.     **D**    

2.     **D**    

3.     **D**    

4.     **B**    

5.     **B**    

6.     **B**    

7.     **D**    

8.     **B**    

9.     **B**    

10.     **C**