



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

Answers

1) 

<b>Input (K)</b>	9	5	3	7	4
<b>Output</b>	12	8	6	10	7

- A.  $K + 3$                       B.  $K \times 3 - 12$   
 C.  $K \times 5 - 9$                   D.  $K \times 3$

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

2) 

<b>Input (N)</b>	7	4	6	3	8
<b>Output</b>	10	7	9	6	11

- A.  $N + 8$                       B.  $N \times 6 - 8$   
 C.  $N + 3$                       D.  $N \times 5 + 8$

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

3) 

<b>Input (V)</b>	2	5	8	6	7
<b>Output</b>	12	42	72	52	62

- A.  $V \times 15 + 8$                   B.  $V \times 10 - 11$   
 C.  $V \times 10 - 8$                   D.  $V \times 11 - 8$

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

4) 

<b>Input (H)</b>	8	5	4	9	10
<b>Output</b>	32	20	16	36	40

- A.  $H \times 5 - 2$                   B.  $H \times 4 + 5$   
 C.  $H \times 4$                       D.  $H \times 2$

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

5) 

<b>Input (M)</b>	2	8	5	3	9
<b>Output</b>	14	32	23	17	35

- A.  $M \times 3 + 8$                   B.  $M + 8$   
 C.  $M \times 8$                       D.  $M + 3$

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

6) 

<b>Input (Z)</b>	17	19	12	18	20
<b>Output</b>	7	9	2	8	10

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

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

7) 

<b>Input (F)</b>	16	15	20	12	18
<b>Output</b>	6	5	10	2	8

- A.  $F \times 10 - 8$                   B.  $F - 10$   
 C.  $F \times 11 - 7$                   D.  $F \times 7$

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

8) 

<b>Input (G)</b>	9	7	3	5	8
<b>Output</b>	13	11	7	9	12

- A.  $G \times 4 + 13$                   B.  $G \times 6 + 10$   
 C.  $G + 4$                       D.  $G \times 4$

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

9) 

<b>Input (R)</b>	4	10	5	9	7
<b>Output</b>	46	106	56	96	76

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

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

10) 

<b>Input (L)</b>	6	10	8	7	5
<b>Output</b>	8	12	10	9	7

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

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



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

1) 

<b>Input (K)</b>	9	5	3	7	4
<b>Output</b>	12	8	6	10	7

- A.  $K + 3$                       B.  $K \times 3 - 12$   
 C.  $K \times 5 - 9$                   D.  $K \times 3$

2) 

<b>Input (N)</b>	7	4	6	3	8
<b>Output</b>	10	7	9	6	11

- A.  $N + 8$                       B.  $N \times 6 - 8$   
 C.  $N + 3$                       D.  $N \times 5 + 8$

3) 

<b>Input (V)</b>	2	5	8	6	7
<b>Output</b>	12	42	72	52	62

- A.  $V \times 15 + 8$                   B.  $V \times 10 - 11$   
 C.  $V \times 10 - 8$                   D.  $V \times 11 - 8$

4) 

<b>Input (H)</b>	8	5	4	9	10
<b>Output</b>	32	20	16	36	40

- A.  $H \times 5 - 2$                       B.  $H \times 4 + 5$   
 C.  $H \times 4$                       D.  $H \times 2$

5) 

<b>Input (M)</b>	2	8	5	3	9
<b>Output</b>	14	32	23	17	35

- A.  $M \times 3 + 8$                       B.  $M + 8$   
 C.  $M \times 8$                       D.  $M + 3$

6) 

<b>Input (Z)</b>	17	19	12	18	20
<b>Output</b>	7	9	2	8	10

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

7) 

<b>Input (F)</b>	16	15	20	12	18
<b>Output</b>	6	5	10	2	8

- A.  $F \times 10 - 8$                       B.  $F - 10$   
 C.  $F \times 11 - 7$                       D.  $F \times 7$

8) 

<b>Input (G)</b>	9	7	3	5	8
<b>Output</b>	13	11	7	9	12

- A.  $G \times 4 + 13$                       B.  $G \times 6 + 10$   
 C.  $G + 4$                       D.  $G \times 4$

9) 

<b>Input (R)</b>	4	10	5	9	7
<b>Output</b>	46	106	56	96	76

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

10) 

<b>Input (L)</b>	6	10	8	7	5
<b>Output</b>	8	12	10	9	7

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

Answers

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