



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

**Answers**

1) 

<b>Input (T)</b>	9	4	2	10	7
<b>Output</b>	54	19	5	61	40

A.  $T \times 7 - 9$ 
B.  $T \times 9$   
C.  $T + 9$ 
D.  $T \times 7 - 11$

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

2) 

<b>Input (P)</b>	4	2	10	9	7
<b>Output</b>	28	14	70	63	49

A.  $P \times 7$ 
B.  $P \times 7 + 7$   
C.  $P + 4$ 
D.  $P + 7$

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

3) 

<b>Input (H)</b>	10	4	2	9	7
<b>Output</b>	102	42	22	92	72

A.  $H + 10$ 
B.  $H \times 10 - 4$   
C.  $H + 2$ 
D.  $H \times 10 + 2$

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

4) 

<b>Input (G)</b>	7	2	9	10	4
<b>Output</b>	15	10	17	18	12

A.  $G \times 8 + 4$ 
B.  $G \times 11 - 2$   
C.  $G \times 8 - 1$ 
D.  $G + 8$

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

5) 

<b>Input (L)</b>	2	10	4	9	7
<b>Output</b>	11	19	13	18	16

A.  $L + 9$ 
B.  $L \times 4$   
C.  $L \times 9 - 7$ 
D.  $L \times 9$

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

6) 

<b>Input (Q)</b>	7	4	10	9	2
<b>Output</b>	73	46	100	91	28

A.  $Q \times 9 + 11$ 
B.  $Q \times 9$   
C.  $Q \times 9 + 10$ 
D.  $Q \times 12 - 10$

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

7) 

<b>Input (M)</b>	14	7	12	15	9
<b>Output</b>	9	2	7	10	4

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

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

8) 

<b>Input (J)</b>	2	4	10	7	9
<b>Output</b>	3	13	43	28	38

A.  $J \times 7$ 
B.  $J \times 5 + 9$   
C.  $J \times 4 - 7$ 
D.  $J \times 5 - 7$

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

9) 

<b>Input (R)</b>	10	9	7	2	4
<b>Output</b>	90	81	63	18	36

A.  $R + 9$ 
B.  $R \times 11 - 2$   
C.  $R \times 9 - 5$ 
D.  $R \times 9$

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

10) 

<b>Input (N)</b>	7	2	4	9	10
<b>Output</b>	23	13	17	27	29

A.  $N \times 2 + 9$ 
B.  $N \times 3 - 9$   
C.  $N \times 7 + 9$ 
D.  $N + 2$

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



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

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1) 

<b>Input (T)</b>	9	4	2	10	7
<b>Output</b>	54	19	5	61	40

A.  $T \times 7 - 9$ 
B.  $T \times 9$   
C.  $T + 9$ 
D.  $T \times 7 - 11$

1.   **A**  

2) 

<b>Input (P)</b>	4	2	10	9	7
<b>Output</b>	28	14	70	63	49

A.  $P \times 7$ 
B.  $P \times 7 + 7$   
C.  $P + 4$ 
D.  $P + 7$

2.   **A**  

3) 

<b>Input (H)</b>	10	4	2	9	7
<b>Output</b>	102	42	22	92	72

A.  $H + 10$ 
B.  $H \times 10 - 4$   
C.  $H + 2$ 
D.  $H \times 10 + 2$

3.   **D**  

4) 

<b>Input (G)</b>	7	2	9	10	4
<b>Output</b>	15	10	17	18	12

A.  $G \times 8 + 4$ 
B.  $G \times 11 - 2$   
C.  $G \times 8 - 1$ 
D.  $G + 8$

4.   **D**  

5) 

<b>Input (L)</b>	2	10	4	9	7
<b>Output</b>	11	19	13	18	16

A.  $L + 9$ 
B.  $L \times 4$   
C.  $L \times 9 - 7$ 
D.  $L \times 9$

5.   **A**  

6) 

<b>Input (Q)</b>	7	4	10	9	2
<b>Output</b>	73	46	100	91	28

A.  $Q \times 9 + 11$ 
B.  $Q \times 9$   
C.  $Q \times 9 + 10$ 
D.  $Q \times 12 - 10$

6.   **C**  

7) 

<b>Input (M)</b>	14	7	12	15	9
<b>Output</b>	9	2	7	10	4

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

7.   **D**  

8) 

<b>Input (J)</b>	2	4	10	7	9
<b>Output</b>	3	13	43	28	38

A.  $J \times 7$ 
B.  $J \times 5 + 9$   
C.  $J \times 4 - 7$ 
D.  $J \times 5 - 7$

8.   **D**  

9) 

<b>Input (R)</b>	10	9	7	2	4
<b>Output</b>	90	81	63	18	36

A.  $R + 9$ 
B.  $R \times 11 - 2$   
C.  $R \times 9 - 5$ 
D.  $R \times 9$

9.   **D**  

10) 

<b>Input (N)</b>	7	2	4	9	10
<b>Output</b>	23	13	17	27	29

A.  $N \times 2 + 9$ 
B.  $N \times 3 - 9$   
C.  $N \times 7 + 9$ 
D.  $N + 2$

10.   **A**