



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

Answers

1) 

<b>Input (R)</b>	8	3	9	7	10
<b>Output</b>	40	15	45	35	50

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

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

2) 

<b>Input (W)</b>	17	16	12	20	19
<b>Output</b>	7	6	2	10	9

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

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

3) 

<b>Input (P)</b>	5	10	3	4	7
<b>Output</b>	44	79	30	37	58

- A.  $P \times 12 + 9$                     B.  $P \times 7 + 8$   
 C.  $P \times 7 + 9$                     D.  $P + 9$

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

4) 

<b>Input (G)</b>	4	3	5	8	2
<b>Output</b>	32	24	40	64	16

- A.  $G \times 8$                         B.  $G \times 8 + 6$   
 C.  $G + 8$                         D.  $G \times 12 + 3$

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

5) 

<b>Input (Q)</b>	9	10	5	8	2
<b>Output</b>	15	16	11	14	8

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

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

6) 

<b>Input (Y)</b>	11	16	15	12	14
<b>Output</b>	4	9	8	5	7

- A.  $Y \times 7 - 4$                     B.  $Y - 7$   
 C.  $Y \times 10 + 2$                 D.  $Y + 2$

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

7) 

<b>Input (Z)</b>	10	7	8	2	5
<b>Output</b>	56	38	44	8	26

- A.  $Z \times 4$                         B.  $Z \times 6 + 5$   
 C.  $Z \times 6 - 7$                     D.  $Z \times 6 - 4$

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

8) 

<b>Input (M)</b>	7	9	5	3	4
<b>Output</b>	50	62	38	26	32

- A.  $M \times 10 + 8$                 B.  $M \times 6 + 8$   
 C.  $M \times 6$                         D.  $M \times 7 - 8$

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

9) 

<b>Input (N)</b>	6	8	4	2	5
<b>Output</b>	30	40	20	10	25

- A.  $N \times 8 + 3$                     B.  $N \times 3$   
 C.  $N \times 5$                         D.  $N \times 5 - 2$

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

10) 

<b>Input (H)</b>	2	7	6	10	4
<b>Output</b>	16	56	48	80	32

- A.  $H \times 11 - 4$                 B.  $H \times 8$   
 C.  $H + 4$                         D.  $H \times 4$

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



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

Answers

1)	<b>Input (R)</b>	8	3	9	7	10
	<b>Output</b>	40	15	45	35	50

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

1.     **A**    

2)	<b>Input (W)</b>	17	16	12	20	19
	<b>Output</b>	7	6	2	10	9

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

2.     **C**    

3)	<b>Input (P)</b>	5	10	3	4	7
	<b>Output</b>	44	79	30	37	58

- A.  $P \times 12 + 9$                 B.  $P \times 7 + 8$   
 C.  $P \times 7 + 9$                 D.  $P + 9$

3.     **C**    

4)	<b>Input (G)</b>	4	3	5	8	2
	<b>Output</b>	32	24	40	64	16

- A.  $G \times 8$                         B.  $G \times 8 + 6$   
 C.  $G + 8$                         D.  $G \times 12 + 3$

4.     **A**    

5)	<b>Input (Q)</b>	9	10	5	8	2
	<b>Output</b>	15	16	11	14	8

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

5.     **A**    

6)	<b>Input (Y)</b>	11	16	15	12	14
	<b>Output</b>	4	9	8	5	7

- A.  $Y \times 7 - 4$                 B.  $Y - 7$   
 C.  $Y \times 10 + 2$                 D.  $Y + 2$

6.     **B**    

7)	<b>Input (Z)</b>	10	7	8	2	5
	<b>Output</b>	56	38	44	8	26

- A.  $Z \times 4$                         B.  $Z \times 6 + 5$   
 C.  $Z \times 6 - 7$                 D.  $Z \times 6 - 4$

7.     **D**    

8)	<b>Input (M)</b>	7	9	5	3	4
	<b>Output</b>	50	62	38	26	32

- A.  $M \times 10 + 8$                 B.  $M \times 6 + 8$   
 C.  $M \times 6$                         D.  $M \times 7 - 8$

8.     **B**    

9)	<b>Input (N)</b>	6	8	4	2	5
	<b>Output</b>	30	40	20	10	25

- A.  $N \times 8 + 3$                 B.  $N \times 3$   
 C.  $N \times 5$                         D.  $N \times 5 - 2$

9.     **C**    

10)	<b>Input (H)</b>	2	7	6	10	4
	<b>Output</b>	16	56	48	80	32

- A.  $H \times 11 - 4$                 B.  $H \times 8$   
 C.  $H + 4$                         D.  $H \times 4$

10.     **B**