

Function Machine

Determining Rule

Lesson 2A



Name _____

Directions: Determine which number sentence best matches the function machine. Circle the correct answer. When completed scan in the QR Code to check your answers.

- 1)

Input (V)	10	8	5	2	3
Output	13	11	8	5	6

a. $V + 3$ b. $V * 5 - 4$
 c. $V + 4$ d. $V * 6 + 4$

- 2)

Input (Y)	10	6	7	4	9
Output	40	24	28	16	36

a. $Y * 4$ b. $Y + 4$
 c. $Y * 4 + 11$ d. $Y * 8 + 9$

- 3)

Input (N)	3	6	7	10	5
Output	16	37	44	65	30

a. $N * 7 - 5$ b. $N * 7 - 7$
 c. $N * 12 + 5$ d. $N * 7 + 8$

- 4)

Input (P)	7	5	9	8	3
Output	12	10	14	13	8

a. $P * 8$ b. $P + 5$
 c. $P * 5$ d. $P * 9 + 8$

- 5)

Input (R)	2	5	4	6	7
Output	6	27	20	34	41

a. $R * 10 + 8$ b. $R * 7 - 9$
 c. $R * 7 - 8$ d. $R + 8$

- 6)

Input (Q)	3	9	4	8	10
Output	13	19	14	18	20

a. $Q * 15 + 9$ b. $Q * 10$
 c. $Q * 10 - 8$ d. $Q + 10$

- 7)

Input (J)	6	2	9	3	7
Output	24	8	36	12	28

a. $J * 4 + 6$ b. $J * 6 - 5$
 c. $J * 5$ d. $J * 4$