

Functions Quiz

Identify whether the following relations are functions or not.

①

x	y
-2	1
-1	-1
0	1
-1	-1
-2	1

Circle one

yes
no

②

x	y
5	0
2	-3
-6	1
3	-3
0	4

Circle one

yes
no

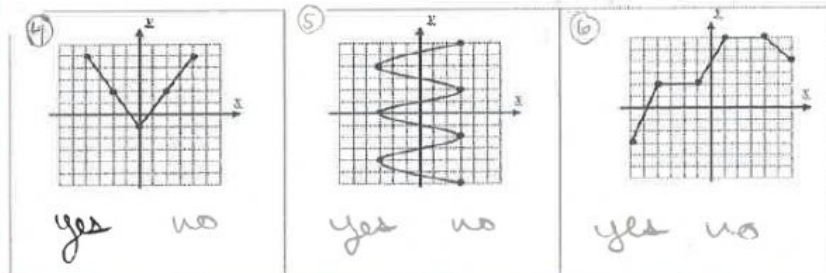
③

x	y
6	2
1	-1
0	3
-1	6
-6	-2

Circle one

yes
no

Explanation: ①
②
③



Explanation: ④
⑤
⑥

⑦ $\{(-1, 8), (0, 15), (1, -4), (2, 0)\}$	⑧ $\{(-5, 2), (5, 2), (0, -3), (3, -8)\}$	⑨ $\{(-2, 7), (6, 2), (-2, -3), (0, 9)\}$
yes no	yes no	yes no
Explain:	Explain:	Explain:

Identify the function Rule:

(10)

x	4	6	8
y	8	12	16

$y =$ _____

(11)

x	10	13	16	19
y	7	10	13	16

$y =$ _____

Evaluate the following functions:

$f(x) = 4x - 2$ $g(x) = 5 - x$ $h(x) = x^2$

(12)

$f(3) =$

(13)

$g(-2) =$

(14)

$h(-4) =$