

HW 3-1: Function or Not

Write the domain and range of each relation. Then state if it is a function or not. If not, state why.

1. $\{(4, -3), (-1, 2), (4, 0), (1, 2)\}$ 2. $\{(1.1, 1), (6, -2.2), (-1.3, -4.4)\}$
3. $\{(2.3, 7), (-1, 2.8), (4, -5.6), (9, 9)\}$ 4. $\left\{\left(\frac{2}{7}, \frac{3}{8}\right), \left(76\frac{5}{6}, 39\frac{3}{4}\right), \left(-8, -\frac{7}{11}\right)\right\}$

State the domain and range of each relation. Then state if it is a function or not. If not, state why.

5.

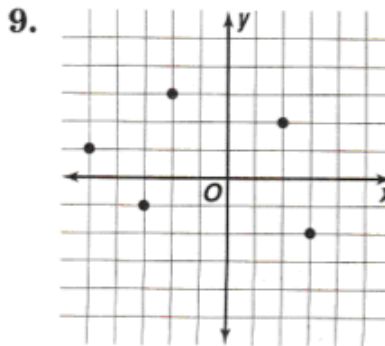
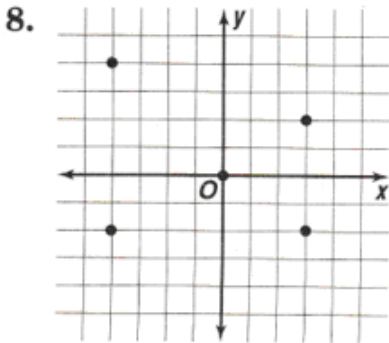
x	y
3	-4
-1	7
-6	-8
1	11
4	13

6.

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

7.

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



Determine whether each relation is a function. If not, explain.

10.

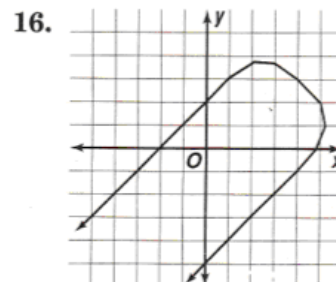
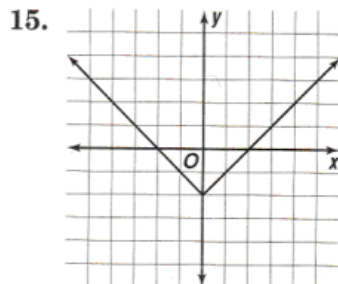
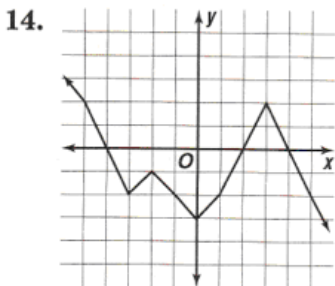
x	2	3	4
y	-1	0	3

11.

x	-3	4	-3
y	0	1	2

12. $\{(-2, 0), (3, -1), (4, -2)\}$

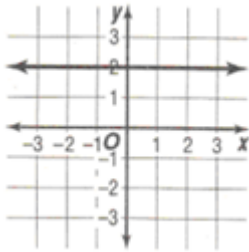
13. $\{(6.2, 5), (6, -7), (6, 5), (-1, -5)\}$



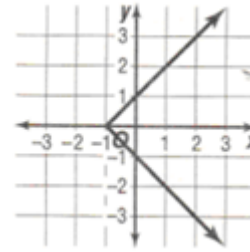
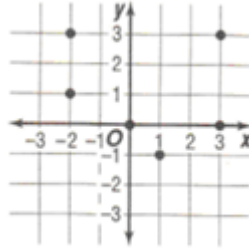
Part 2:

Determine whether each relation is a function. If not, explain why.

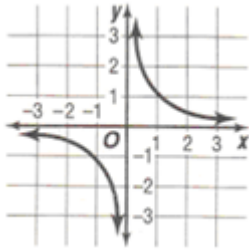
17.



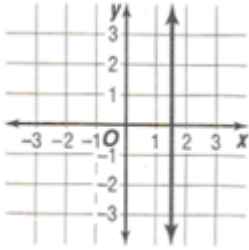
18.



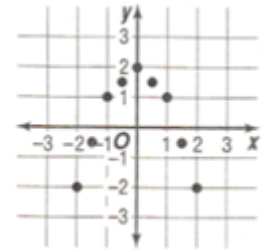
20.



21.



22.



23. $\{(2,4), (3,5), (4,6), (5,8)\}$

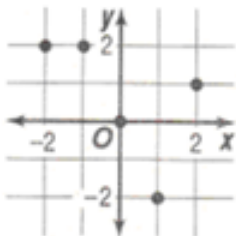
24. $\{(1,4), (2,3), (3,-6), (-3,6)\}$

25. $\{(1,5), (1,7), (1,-5), (1,-7)\}$

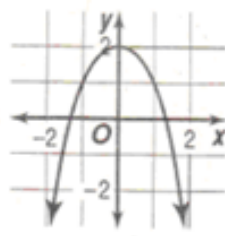
26. $\{(0,4), (1,4), (2,4), (3,4)\}$

Determine whether each relation is a function. If not, explain.

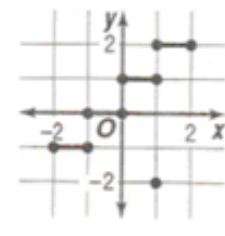
27.



28.



29.



30. $\{(4,2), (2,3), (6,1)\}$

31. $\{(-3,-3), (-3,4), (-2,4)\}$

32. $\{(-1,0), (1,0)\}$