

Name: _____ Period: _____

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HW 3-1: Function or Not

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

5.

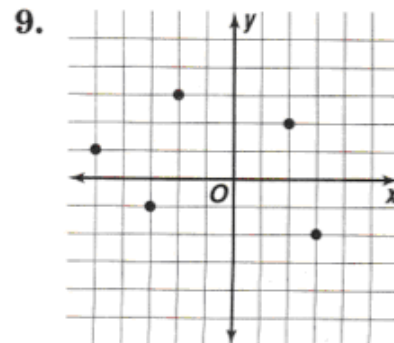
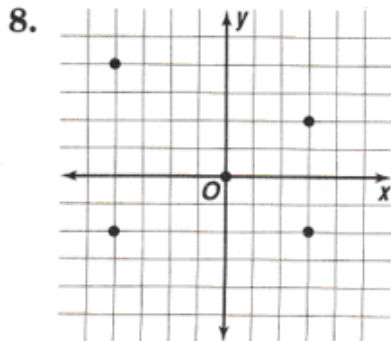
| x | y |
|----|----|
| 3 | -4 |
| -1 | 7 |
| -6 | -8 |
| 1 | 11 |
| 4 | 13 |

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.

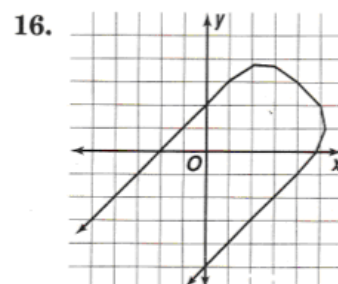
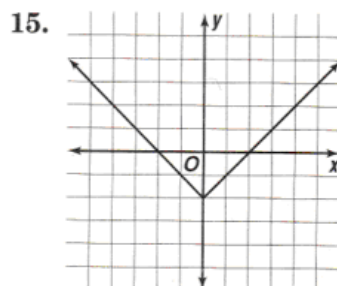
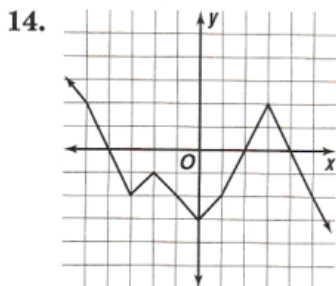
| x | 2 | 3 | 4 |
|---|----|---|---|
| y | -1 | 0 | 3 |

11.

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

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

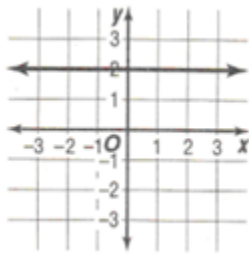
13. $\{(6.2, 5), (6, -7), (6, 5), (-1, -5)\}$



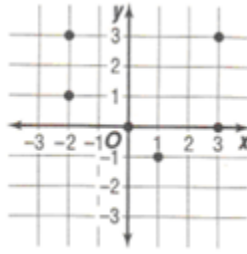
Part 2:

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

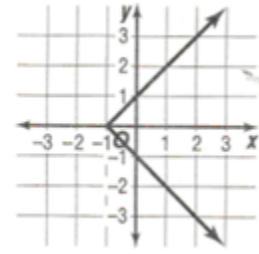
17.



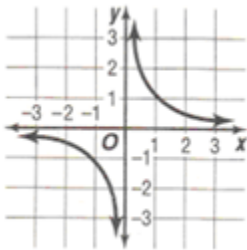
18.



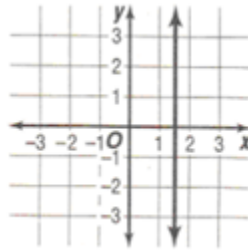
19.



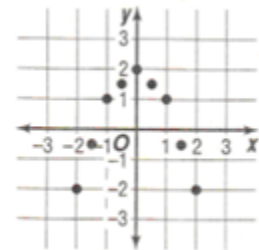
20.



21.



22.



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

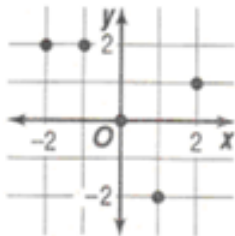
24. $\{(1,4), (2,3), (3,-6), (-3,6)\}$

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

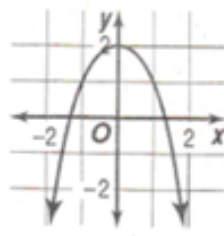
26. $\{(0,4), (1,4), (2,4), (3,4)\}$

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

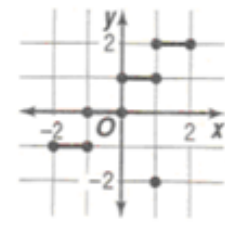
27.



28.



29.



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

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

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