Name: _____   **Date:** _____
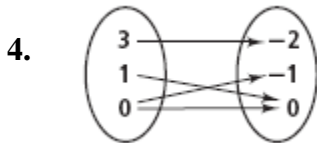
Function HW

Find the domain and range for the following relation.

  1. $\{(-3, -7), (-1, -3), (0, -1), (2, 3), (4, 7)\}$
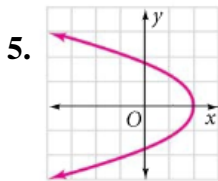
Determine whether each of the following relations is a function.

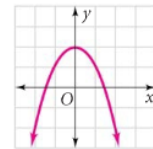 **2.** $\left\{(-4, -3), (-2, -2), (0, -1), \left(1, -\frac{1}{2}\right)\right\}$ **3.** $\{(0, 0), (1, 1), (4, 2), (1, -1)\}$

  4.

Determine whether each graph is the graph of a function.

  5.   **6.**

Convert the following to slope intercept form. Name the slope and y-intercept.

7. $6x - 5y = 25$ **8. $x - y + 12 = 0$**

Use the Linear Equation EOG problems from Friday to help you solve the following. SHOW ALL WORK ON A SEPARATE SHEET of notebook paper.

9. What is an equation of the line passing through the points (-1,-3) and (5,6)?

10. What is an equation of the line passing through the points (2,5) and (5,-5)?

11. What is the equation of the line that contains point (3, -5) and has a slope of -3?

12. What equation has a graph that passes through the origin and has an undefined slope?

13. What equation represents a line with a slope of -1/2 that passes through point (6,-4)?

14. What function is represented by the values in the table below?

x	y
-2	-2
-1	2
0	6
1	10
2	14