

Algebra I

5.5 Warm-Up

Horizontal and Vertical Lines

NAME: \_\_\_\_\_

DATE: \_\_\_\_\_

HOUR: \_\_\_\_\_

Determine if each line is horizontal or vertical.

1.  $y = 2$

2.  $x = -5$

3.  $y = \frac{1}{4}$

4.  $x = 0$

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

5. The general form of a \_\_\_\_\_ line is  $y = b$ .

What are the **coordinates** of the point where each line crosses the **y-axis** (the **y-intercept**)? (0, b)

6.  $y = 12$

7.  $y = -15$

8.  $y = -\frac{1}{2}$

9.  $y = 0$

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

10. The general form of a \_\_\_\_\_ line is  $x = a$ .

What are the **coordinates** of the point where each line crosses the **x-axis** (the **x-intercept**)? (a, 0)

11.  $x = 1$

12.  $x = 5$

13.  $x = \frac{1}{2}$

14.  $x = 0$

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

over

15. The slope of a **horizontal line** is \_\_\_\_\_.

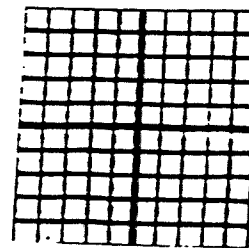
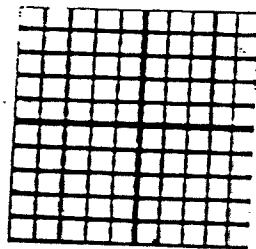
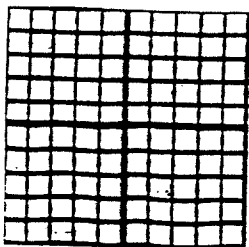
16. The slope of a **vertical line** is \_\_\_\_\_ slope, undefined or \_\_\_\_\_.

Graph these lines:

17.  $x = 1$

18.  $x = -3$

19.  $x = 0$



20.  $y = -1$

21.  $y = \frac{1}{2}$

22.  $y = 0$

