Remediation   Name _____

Unit 3 Objective 4   Section _____
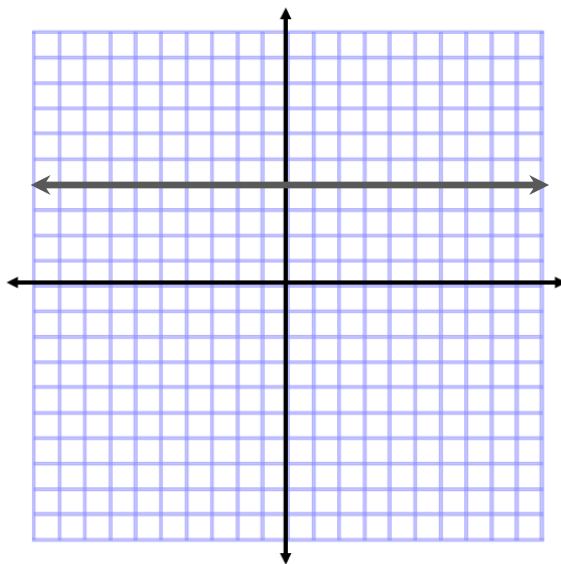
Graph horizontal and vertical lines.

Horizontal lines will be written in the form $y = b$.

Since all y values will be the same for such a line, the x value may be any number. Look at the following example: $y = 4$.

x	y
-1	4
0	4
1	4
2	4

The y values must be 4. The x values may be any number. Plot all of these points and you will have a horizontal line.
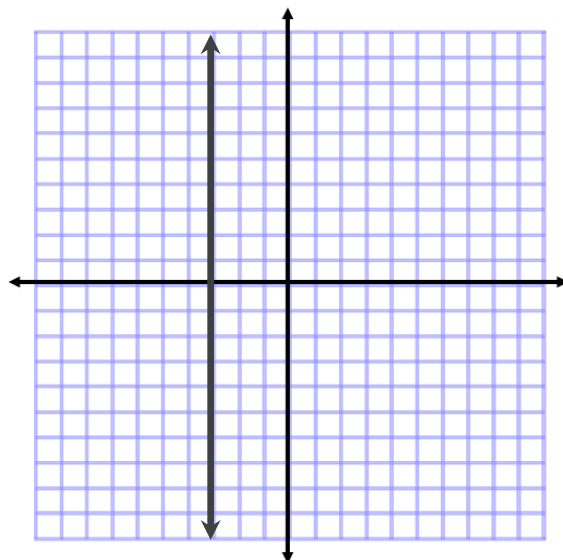

Vertical lines will be written in the form $x = a$.

Since all x values will be the same for such a line, the y values may be any number. Look at the following example: $x = -3$.
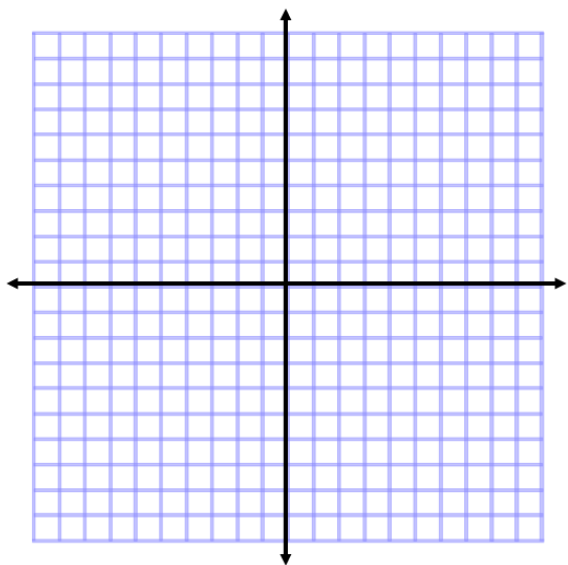
x	y
-3	-2
-3	-1
-3	0
-3	1

The x values must be -3. The y values may be any number. Plot all of these points and you will have a vertical line.
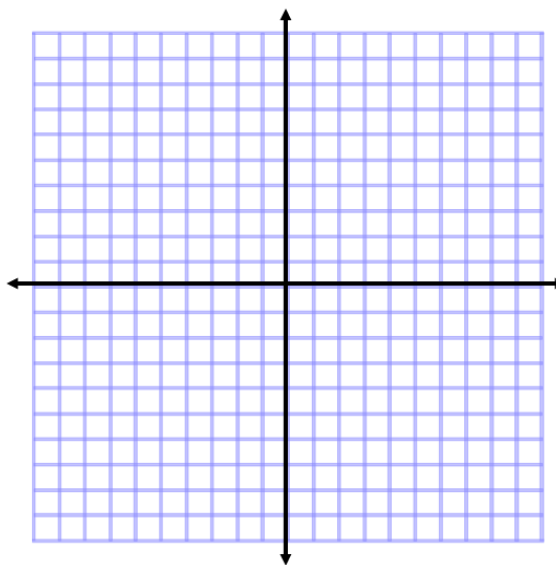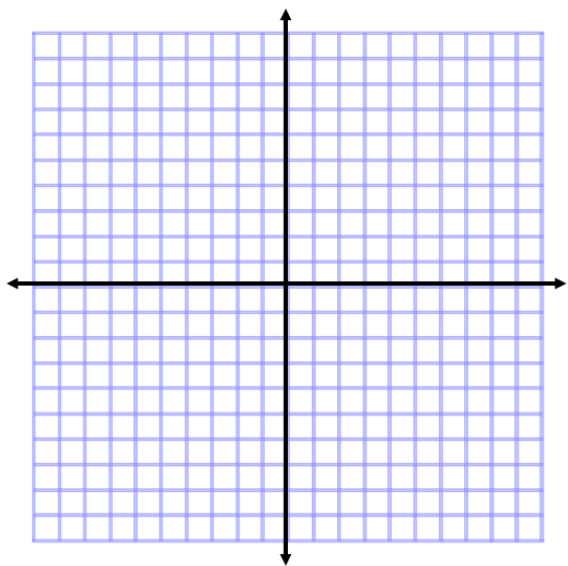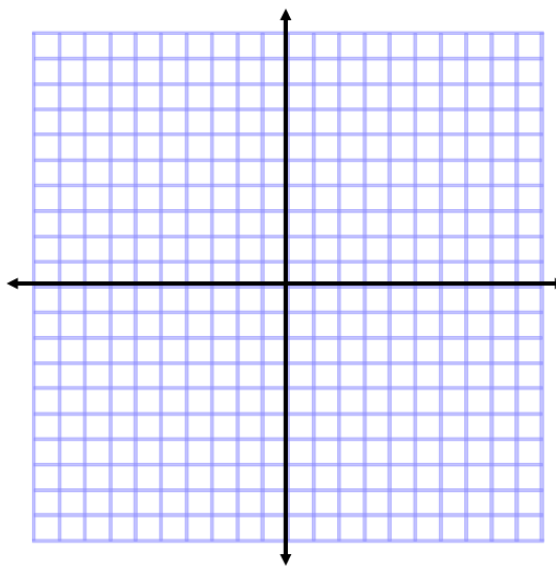
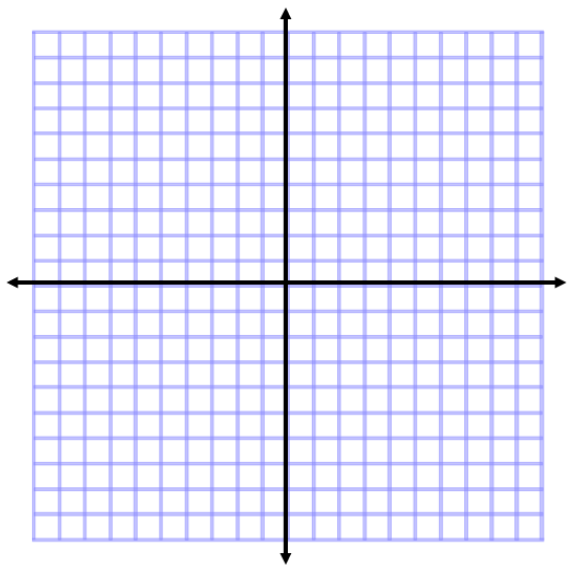**Practice: Graph each horizontal or vertical equation.**
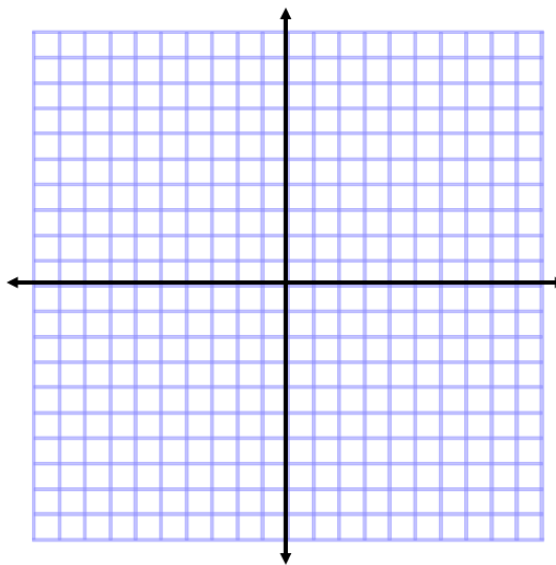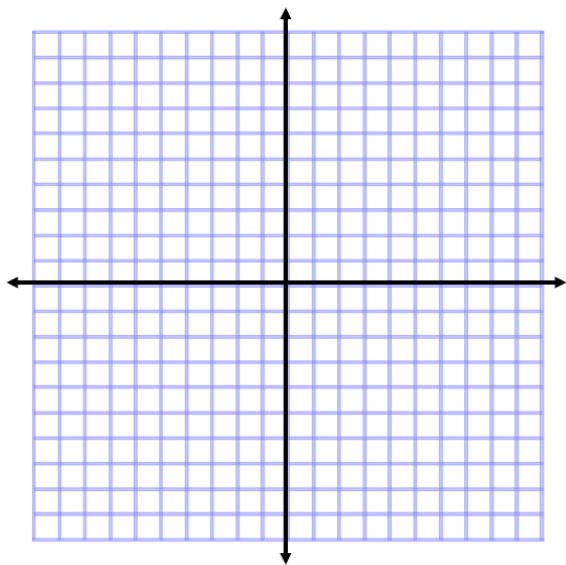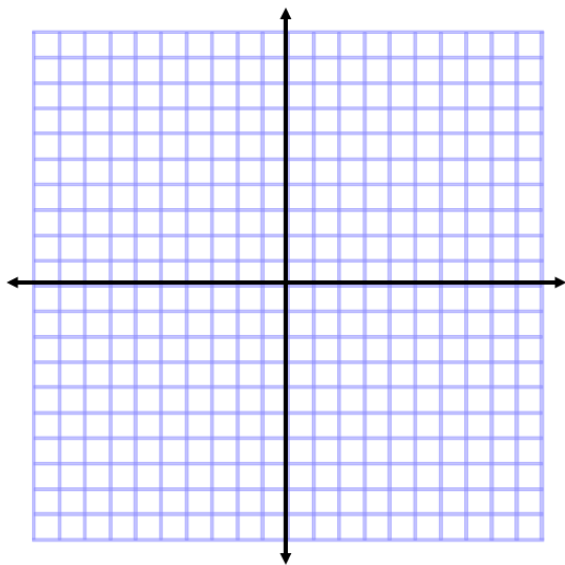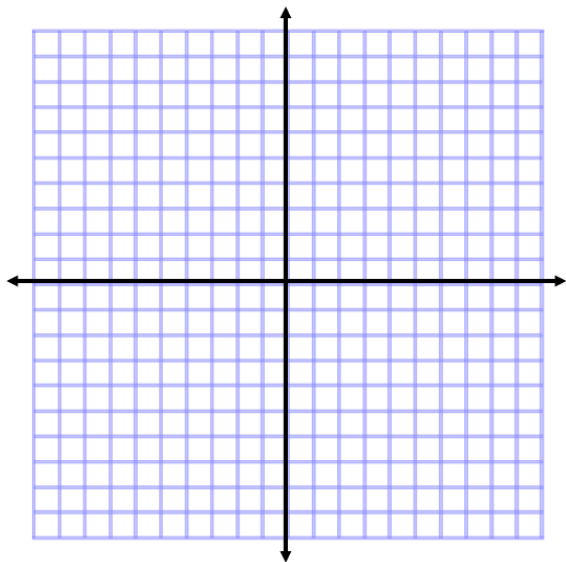
1. $y = 6$

2. $x = -10$

3. $x = 4$

4. $y = -5$

5. $x = -8$

6. $y = 1$

7. $y = -7$

8. $x = 0$

7. $y = 0$

8. $x = 6$