Main Ideas/Questions	Notes/Examples

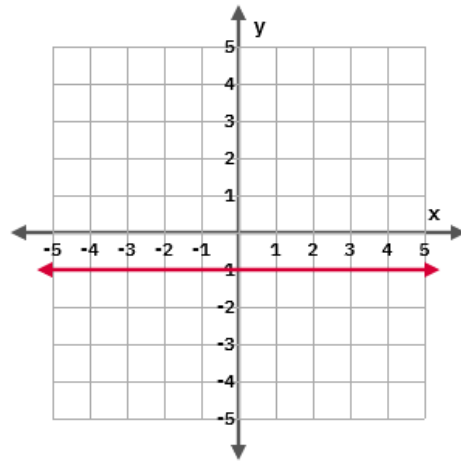|	**Vertical Lines**	**Horizontal Lines**
Vertical and Horizontal lines	A **vertical line** is written in the form $x = a$, where a represents the line's x-intercept.	A **horizontal line** is written in the form $y = a$, where a represents the line's y-intercept.
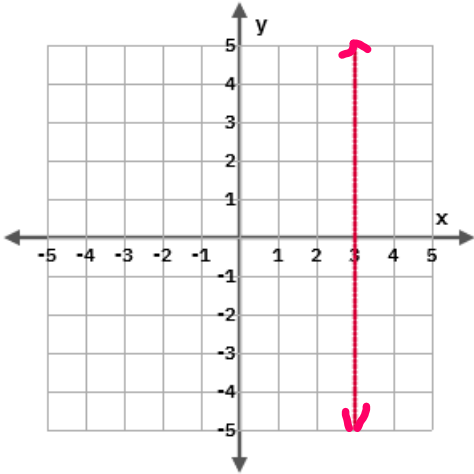
The equation of the **vertical** line graphed above is

_____

The equation of the **horizontal** line graphed above is

_____

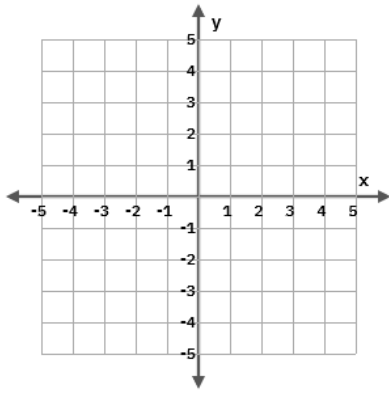**Remember, if the line intersects the x-axis, its $x = a$, if the line intersects the y-axis, it's a $y = a$.**

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examples

Directions: Write the equation of the line shown on the graph.
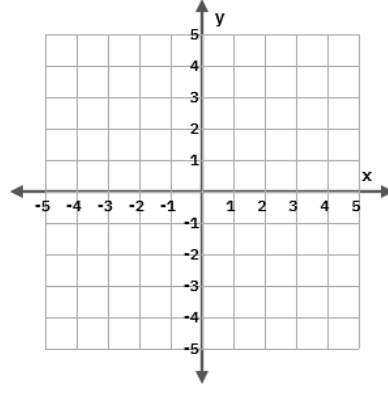
1.

2.

3.

4.

5.

6.

Directions: Graph the line that represents the equation shown.

7. $y = -3$	8. $x = -4$	9. $y = 2.5$