



**Find the equation of vertical or horizontal lines**

1. All vertical lines are  $x = \underline{\quad}$
2. All horizontal lines are  $y = \underline{\quad}$

**Examples**

1. Find the equation of a vertical line through (5,6)

*Vertical line crosses the x axis at 5, so all x values will equal 5, therefore the equation is  $x = 5$*

2. Find the equation of line parallel to the y-axis through (-2,6)

3. Find the equation of an horizontal line through (-1,8)

4. Find the equation of a line perpendicular to the y-axis through (0,4)