

## Ways to Remember

A way to remember what y = 3 looks like is to think, "It goes through the \_\_\_\_\_ axis at \_\_\_\_\_

A way to remember what x = 3 looks like is to think, "It goes through the  $\frac{1}{2}$  axis at  $\frac{1}{2}$ ."

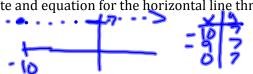
Another way to help remember is to make a table and plot the point.

## **Examples**

For 1-2, write an equation for the line containing the points below.

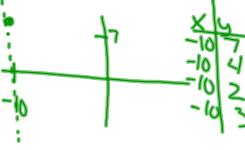


3. Write and equation for the horizontal line through (-10, 7).

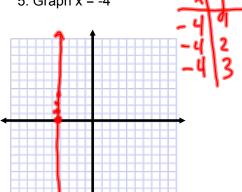


$$X = -10$$

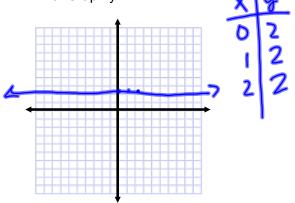
4. Write and equation for the vertical line through (-10, 7).







6. Graph 
$$y = 2$$



- 7. Charlie received \$8 allowance for each of the first 5 weeks of the year. Imagine that the points (1,8), (2,8), & (3,8) are graphed to represent this situation.
  - a. What kind of line contains these points, a vertical or horizontal line?

=8

Assignment: 5-1 #'s 5-12, 16-24, 6 graphs

b. What is the equation for this line?

