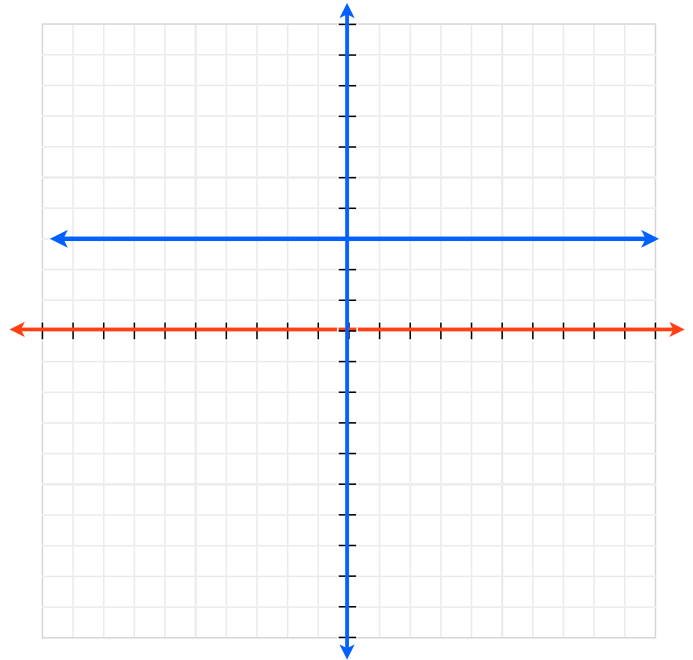


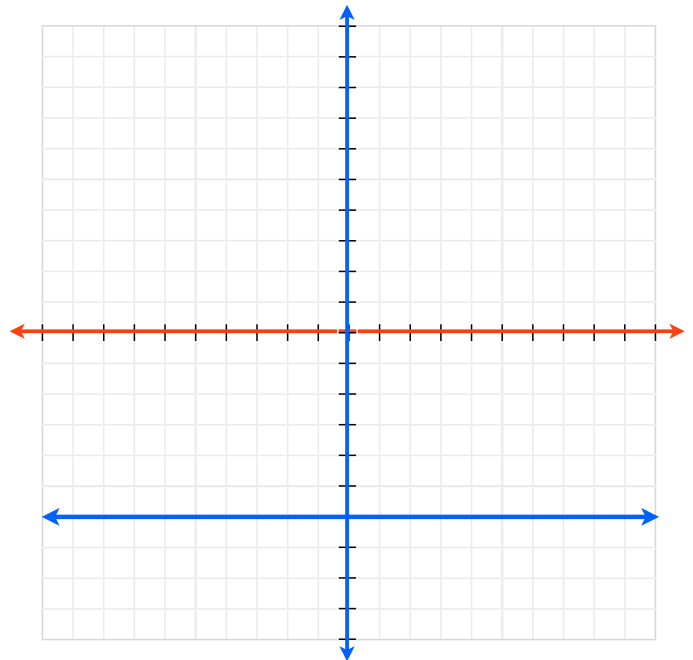
Determine the equation for the following
horizontal line

What do all these points have in common?



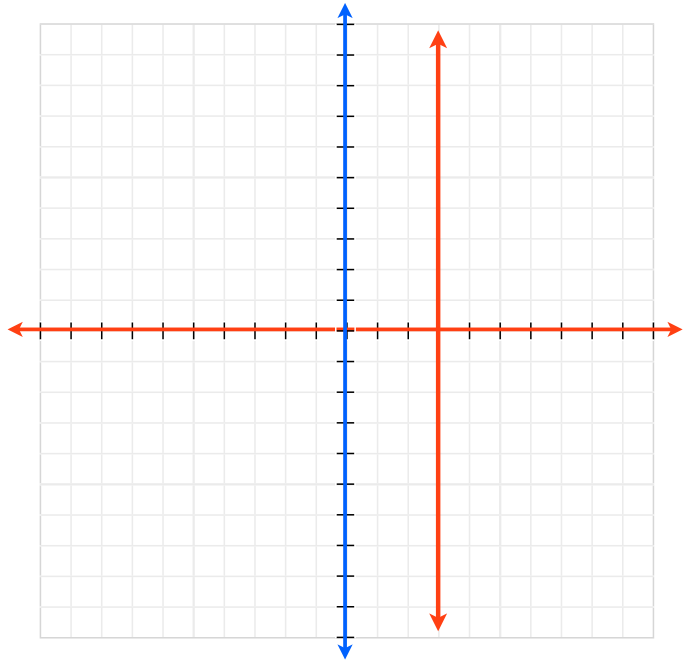
Determine the equation for the following
horizontal line

What do all these points have in common?



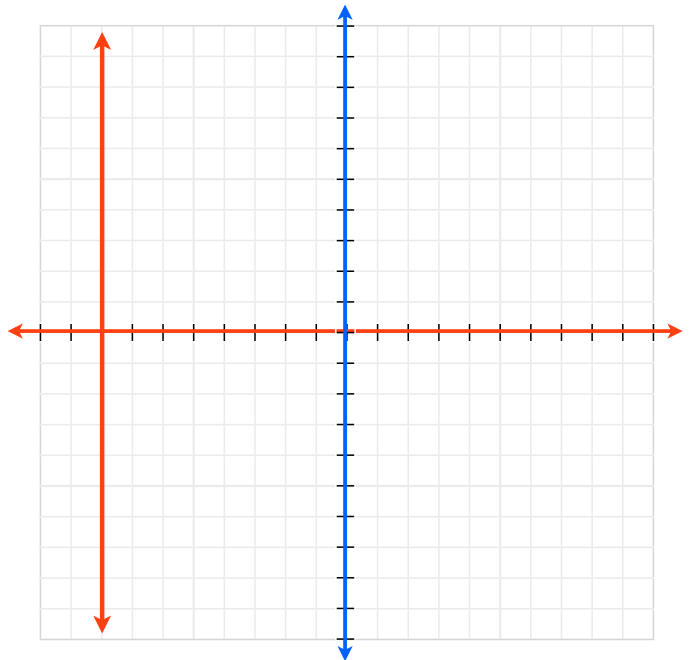
Determine the equation for the following
vertical line

What do all these points have in common?



Determine the equation for the following
vertical line

What do all these points have in common?



Horizontal Lines

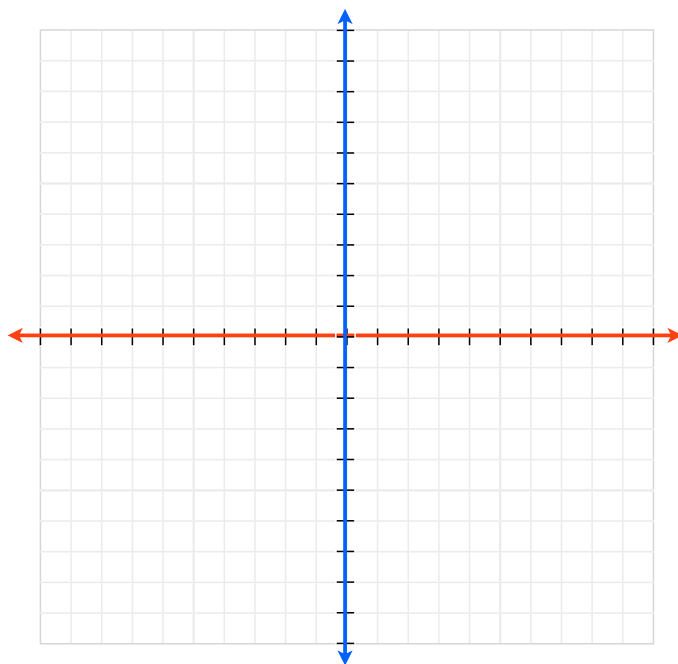
" $y = c$ "

Vertical Lines

" $x = c$ "

Graph the following lines

$$y = 4$$



Horizontal Lines

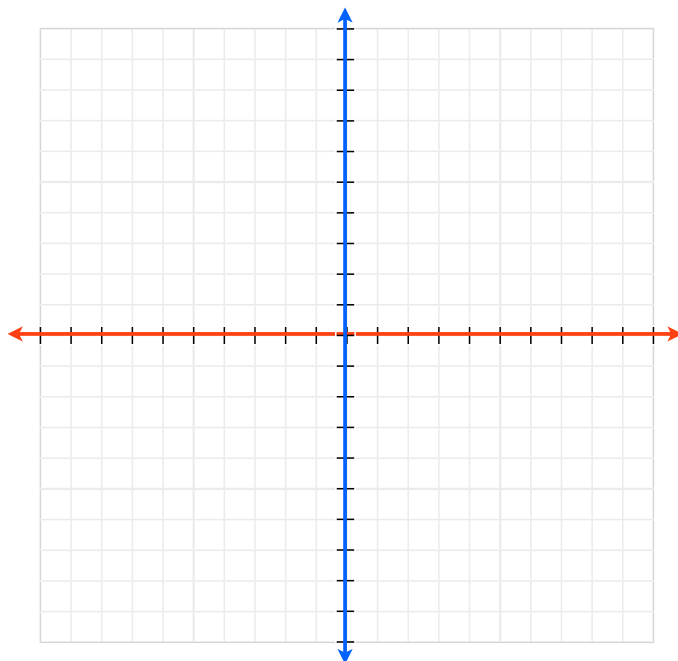
" $y = c$ "

Vertical Lines

" $x = c$ "

Graph the following lines

$$x = 4$$



Horizontal Lines

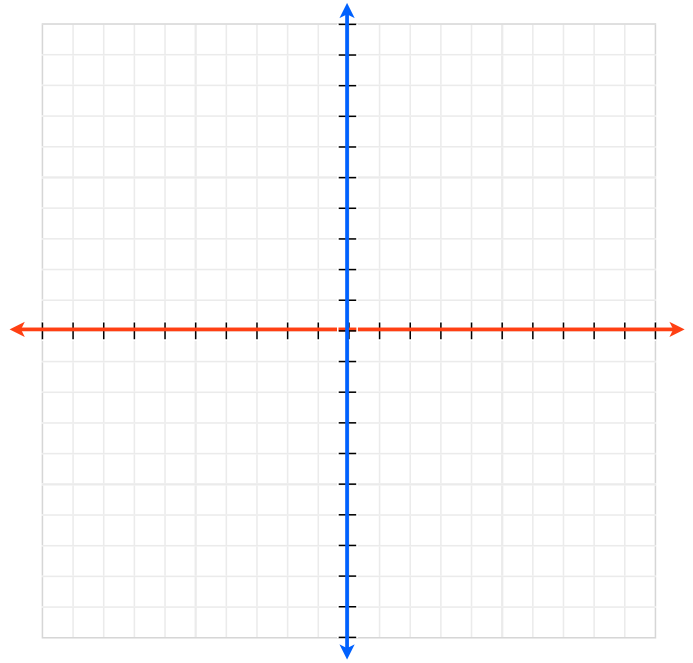
" $y = c$ "

Vertical Lines

" $x = c$ "

Graph the following lines

$$y = -6$$



Horizontal Lines

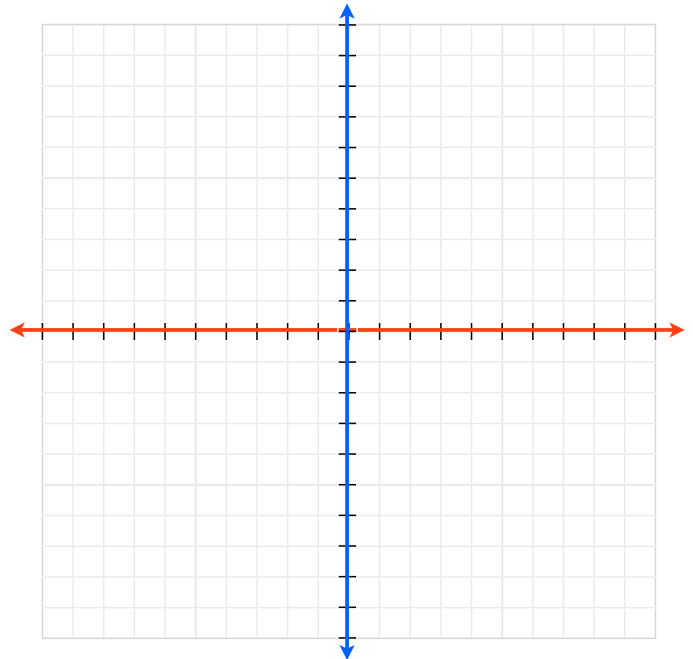
" $y = c$ "

Vertical Lines

" $x = c$ "

Graph the following lines

$$x = -5$$



Horizontal Lines

$$y = c$$

Vertical Lines

$$x = c$$

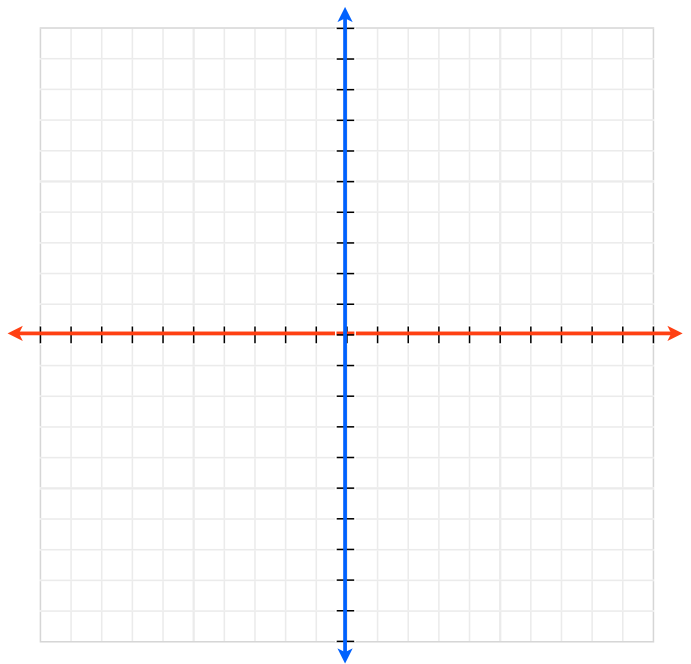
Slopes of Horizontal and Vertical Lines

$$\text{slope} = 0$$

slope is undefined

Graph the following lines

undefined slope through (2,3)



Horizontal Lines

$$y = c$$

Vertical Lines

$$x = c$$

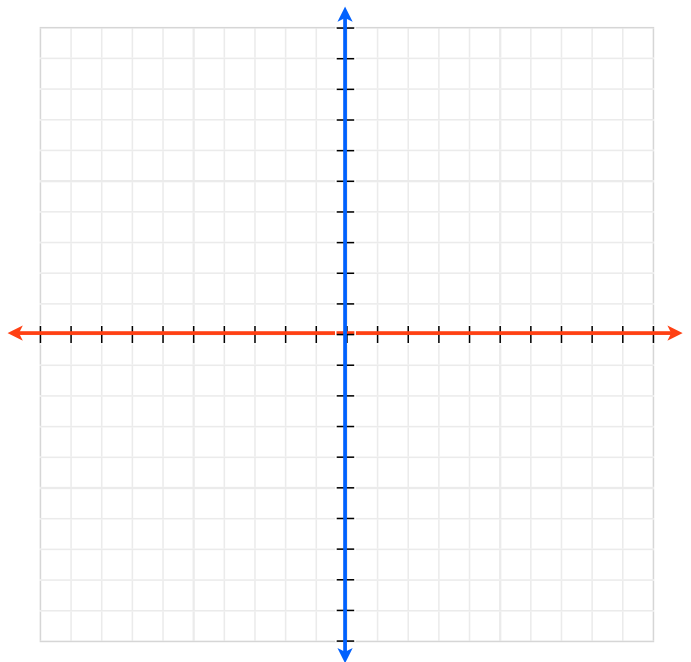
Slopes of Horizontal and Vertical Lines

$$\text{slope} = 0$$

slope is undefined

Graph the following lines

slope = 0 through (-5,-4)



Horizontal Lines

$$y = c$$

horizontal lines have a slope = 0

Vertical Lines

$$x = c$$

vertical lines have an undefined slope