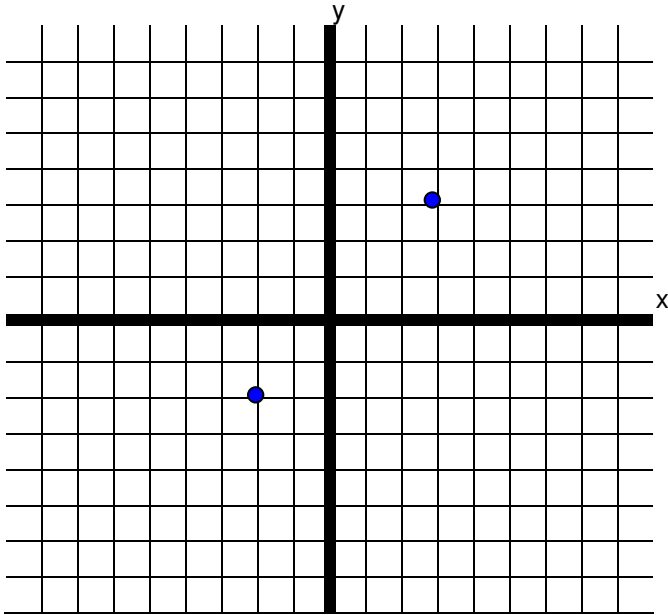


Algebra

Slope

YAY MATH!

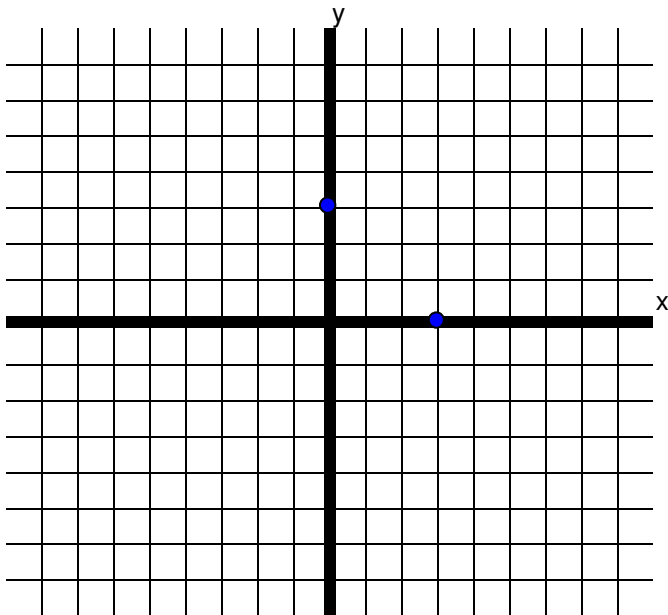
Students will be able to complete the following problems while watching the video:



$$\text{Slope} = \frac{\text{rise}}{\text{run}} =$$

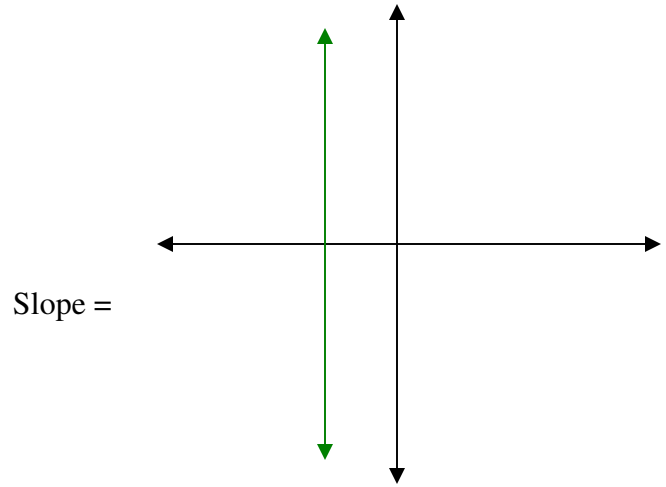
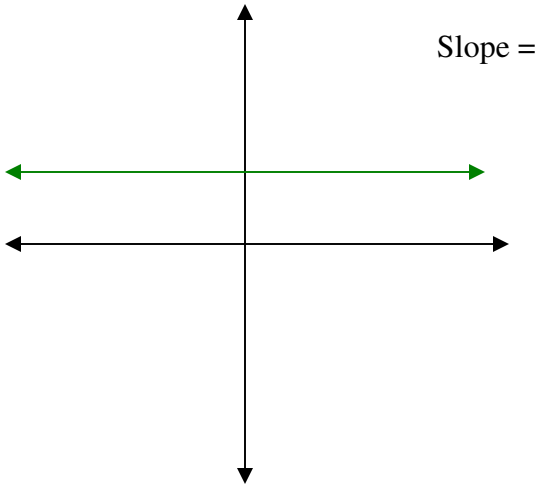
Is the slope positive, or negative?
(circle one)

How can you tell by looking at it?



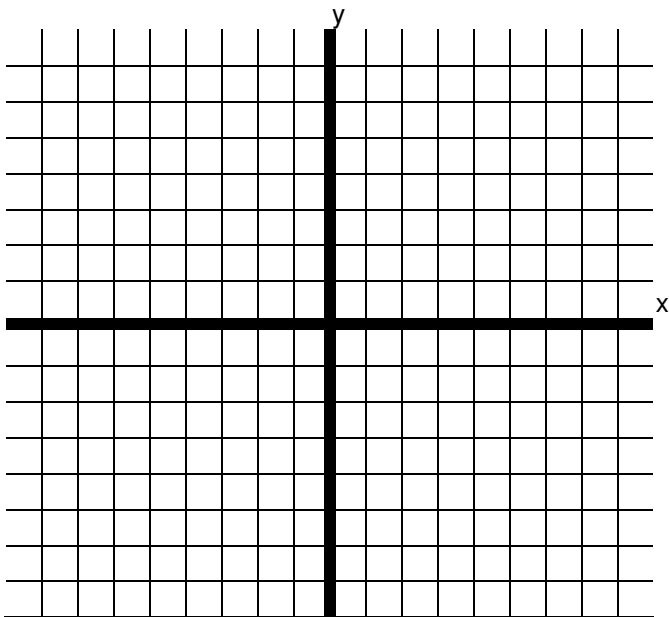
$$\text{Slope} = \frac{\text{rise}}{\text{run}} =$$

Is the slope positive, or negative?
(circle one)

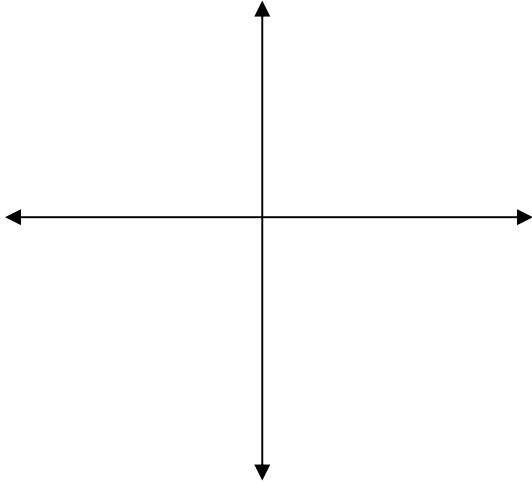


Calculate the slope between: $(6, 1)$ and $(8, -4)$

Graph the line that contains the point $(2, 3)$ that has a slope of $m = \frac{1}{2}$



Graph the line having slope $m = 0$ containing the point $(-1, 3)$



Rule:

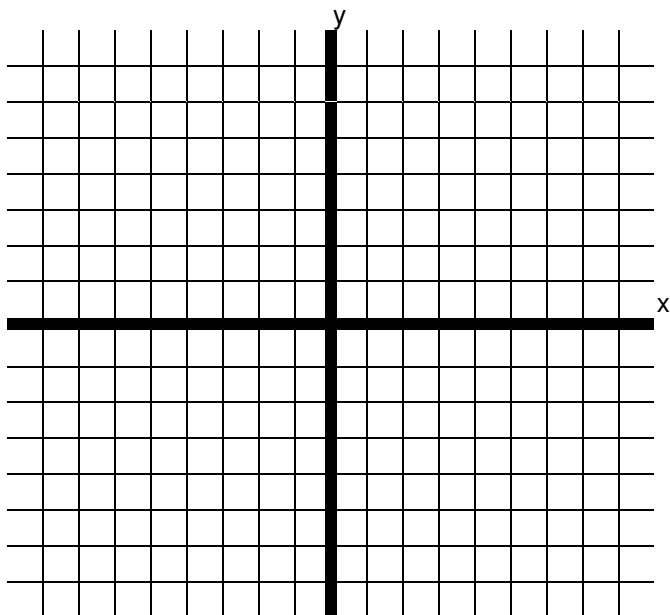
Parallel lines have the _____ slope.

$y = 3x + 1$
 $y = 3x + 5,678$

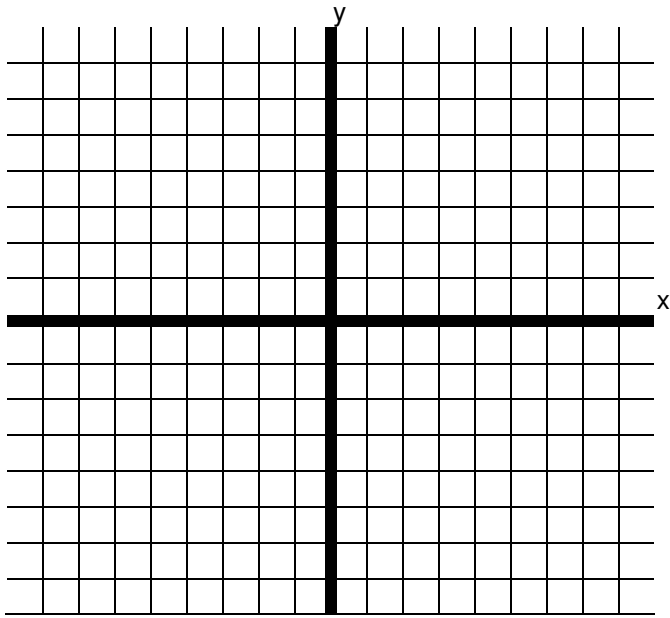
Are these lines parallel?

Why or why not?

m	parallel	perpendicular
2		
1		
$-\frac{5}{6}$		



Graph the line that passes through the point $(2, 1)$ and parallel to the line $x + y = 8$



Graph the line that:
passes through the point $(0, 4)$
is perpendicular to the line $2x - 3y = 6$