

Worksheet

You may now move either point in any direction. When you have reached a place that is different from the first, fill in a line on the chart. With each successive move, fill in another line. Make sure that you try one vertical and one horizontal line.

Pt 1 (x,y)	Pt 2 (x,y)	Slope, + or -	Y - int	Equation of the line		
					Vert	
						Hor

1. How are all positive sloped lines alike?

2. In what way are negative sloped lines different than positive?
3. By comparing the y-intercept and the equation of the line, is there any comparison one could make about the numbers in each?
4. On a vertical line, what does the slope say that is different than the two points slope formula? Why? Are they the same?
5. Is the vertical line a considered a line?
6. Is the horizontal line considered a line?
7. On the horizontal line equation, what happened to the slope and the x value?