Answer on Question #84906 – Math – Algebra
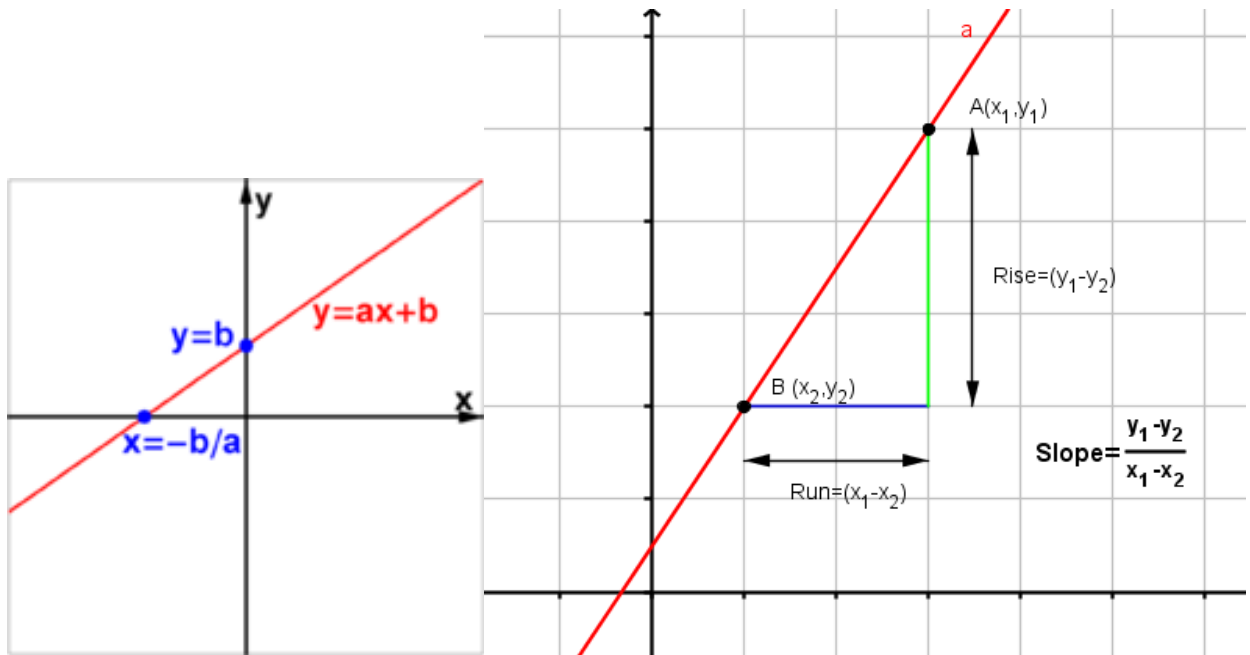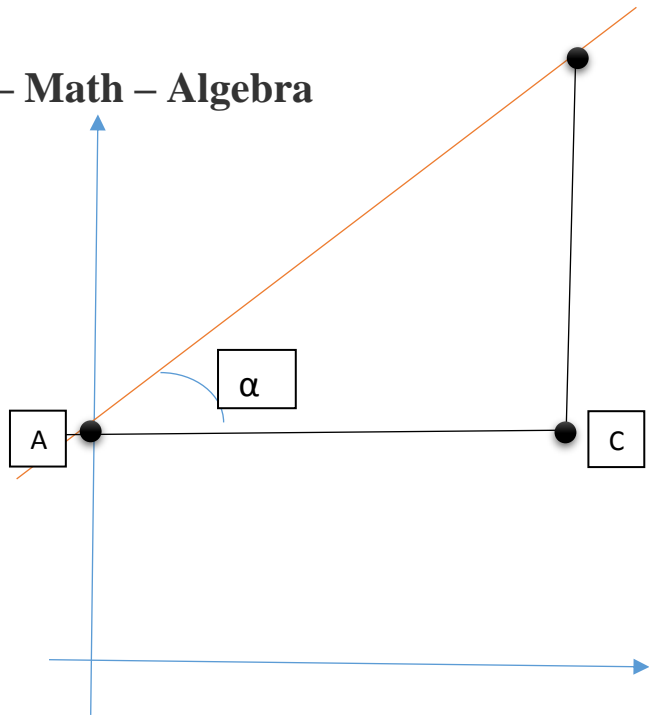
y-intercept=-4 => A(0;-4)

y=kx+b is a linear equation

-4=k*0+b, => b=-4

k =tan α=$\dfrac{BC}{AC}$=$\dfrac{9}{4}$

y=$\dfrac{9}{4}$*x - 4

References:

1. http://xaktly.com/Slope.html
2. https://www.mathsisfun.com/algebra/linear-equations.html