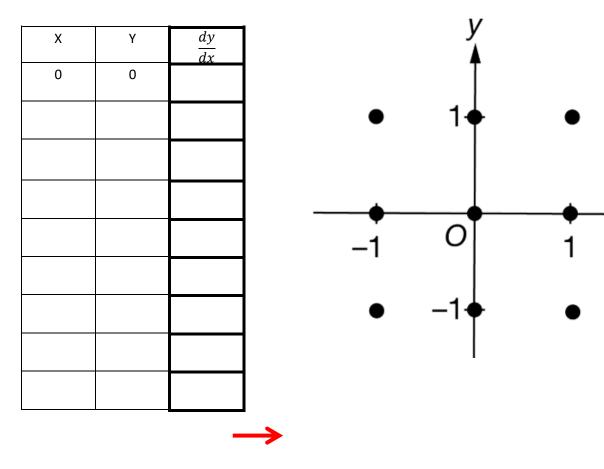
Differential Equations and slope fields:

Application Weather: <u>https://www.windfinder.com/#9/35.9280/-78.7830/sfc</u> Helping your visualize: <u>https://www.desmos.com/calculator/p7vd3cdmei</u>

One of the most common questions/instructions is to sketch a slope field for the given differential equation at the 9 points indicated.

Well our differential equation is going be something like: $\frac{dy}{dx} = x + y$. Note that we could solve for a general case or case given certain initial conditions, more on this later.

Optional Table:



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