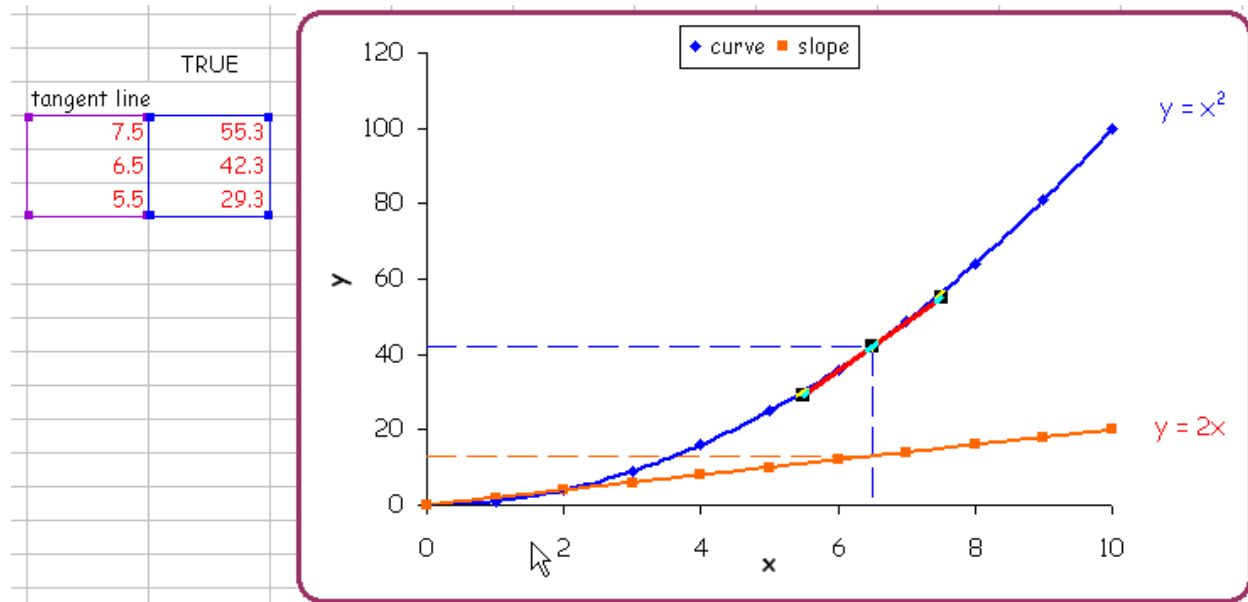


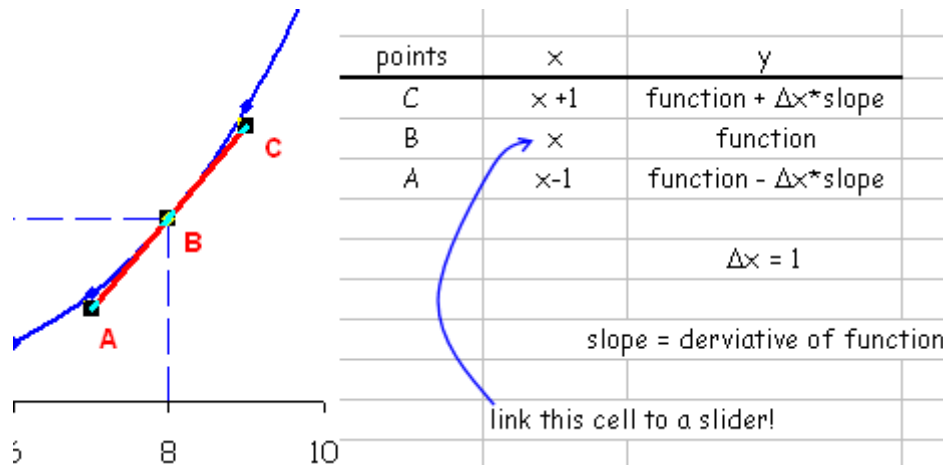
How to add a tangent line on a function:

For this to work you must have a function whose derivative can be found. To do this you must set up three points as a new series to draw the tangent line. The tangent line is drawn by performing a linear regression on this new series. The



trace lines (- - -) on this graph are set up independently of the tangent line as another series of data.

Now here is how to set up the three points to form the tangent line. Since slope = $\Delta y / \Delta x$, we can find $\Delta y = \Delta x * \text{slope}$ and the slope from the derivative of the function.



The line will move on the curve as the values of x are changed using a slider. The markers on the tangent line are then removed (see How to add the interactive point for interpolation).