Go to GMM: Guessing Power Series from Graphs.

Use the Geogebra applet to match the given function (shown in green) exactly by using the sliders to guess the power series representation of the function.

Use only graphical reasoning.

When you are done, make a note of any relationship you see between the values of the coefficients and the shape of the graph.

Hint: You will only need three non-zero terms.