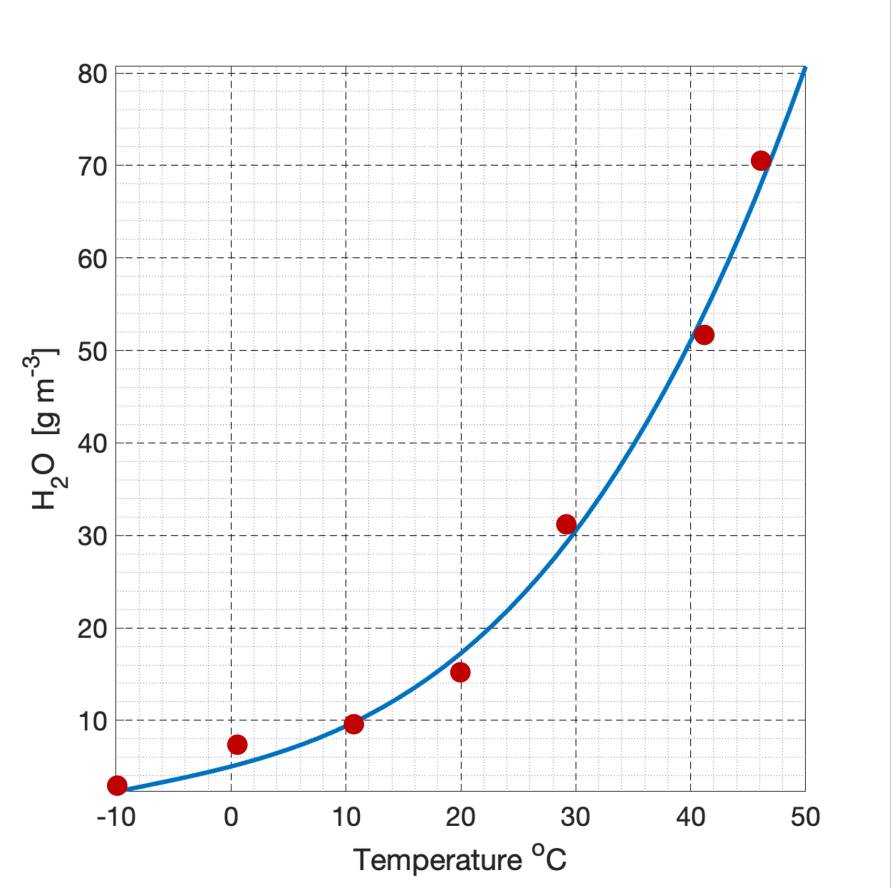
Homework 6

Derive empirical function *temperature* vs *saturated vapour density*

- read data points from graph (at temperature -10, 0, 10, 20, 30, 40, 45 °C)
- fit function through data points



Write a Matlab script that calculates relative humidity, absolute vapour density and temperature. The user should enter two parameters and the third parameter should be calculated by the Matlab script.

1) relative humidity
   inputs: *absolute vapour density and temperature*; **output is** *relative humidity*
2) absolute vapour density
   inputs: *relative humidity* and *temperature*; **output is** *absolute vapour density*
3) temperature
   inputs: *absolute vapour density* and *relative humidity*; **output is** *temperature*