- 1. Upload the class notebook.
- 2. The equation of a circle is

$$(x-a)^2 + (y-b)^2 = R^2$$

If the coordinate of three points on the circle are

x	8.21	0.34	5.96
y	0.00	6.62	-1.12

determine R, a and b numerically.

3. Given the following data points

x	0	0.25	0.50	0.75	1.0	1.25	1.5
y	0	-1.2233	-2.2685	-2.8420	-2.2130	2.5478	55.507

find a suitable interpolating function and calculate numerically the nonzero root of y(x) = 0.