QUIZ 4

1. For the given data points; we suggest the relation $y(x) = \alpha x^{\beta}$.

$$y(x) = \alpha x^{\beta}.$$

- First, we should linearize.
- Then, construct the normal equations.
- 2. Let $f(x)=x^2$ be periodic between -2 and 2. Write the Fourier series expansion up to 4^{th} term. Do not evaluate the integrals.