

Derivatives:

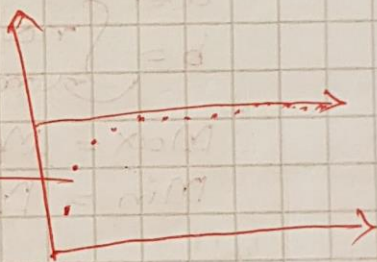
- used to estimate function
- shows how much the function is changing

Curvature: Curve of a graph.

Convergence:

- usually used for random variables
- target to meet a point

the more you experiment, the more accurate result it shows.

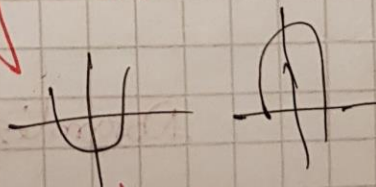


Polynomial function:

Mathematical expression that has variables & coefficients.

Eg: $x^2 + 2x + y = 36$.

Quadratic form:



A polynomial expression where all terms have degree of 2.

E.G.: $x^2 + y^2 + z^2$ or $x^2 + xy + yz + z^2$