

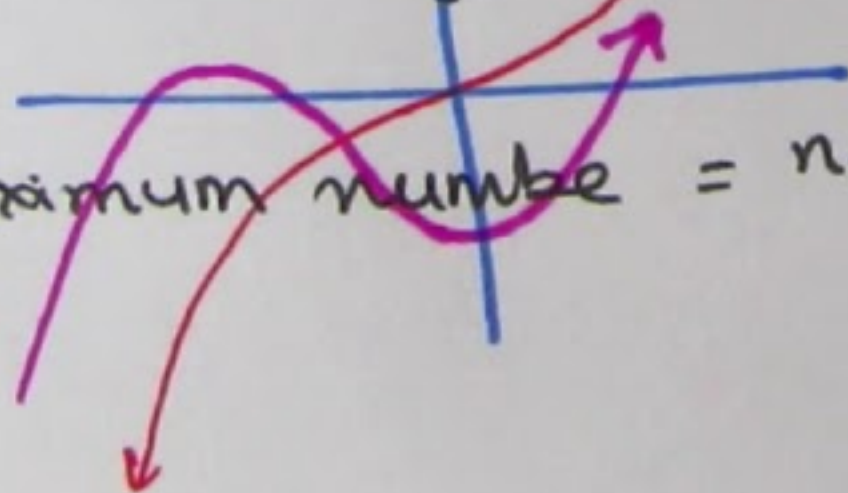
Polynomial Functions: Characteristics *Anil Kumar*

Possible number of Local Maximum/Minimum for Polynomials

L. maximum/minimum at turning points.
 $\Rightarrow$ how many possible turning points can a polynomial degree, n , is even, $a_n > 0$

- minimum T.P is zero
no max (local) / local minima
- even number of T.P, max/min

• maximum number = $n-1$



- At least 1, local max/min.

