01109/2023 Notes leading term has the highest degree x value and that gives you the degre of the polynomial not leading coefficient Leading coefficient and degre of polynomical tells us the global behavior Even degre makes with sides of the group go the same Y direction add degree makes both sides of the graph go to appoints It positive leading cost, it will follow the root graph ? It regulive lacking week it will follow the opposite 5 To find y intercept set X = 0 and solve To find x intercepts set Y=0 and solve, then more sure the unsurer is valid

If the multiplicity of a root is even, it touches but closent first throughthe axis, if it is oder however it fisses. The roots follow the toolsit function of its multiplicity

Multiplicity of a 1901 is the degree of that given fector