

- Today:
- Systems of polynomial equations
 - Ideal Membership Problems
 - Groebner Basis Algorithm.



One way to look at what we've done so far: solving polynomial equations

- Given: $f(x)$ find α s.t.

$$f(\alpha) = 0$$

- can solve this if $\alpha \in \mathbb{F}$
& f is a degree n polynomial.

-