$$y = a_{1}x^{n} + ... + a_{0} = f(x)$$

anco

n = 2, 4, 6, ...

- 1) Find y-intercept + f(0)=a0
- 2) End behavior
- 3) Factor for x-intercepts
- 4) Shape at x-intercepts

n=3,5,7,... مره an>0

- 1) Substitute x=0
- 2) look at leading coefficient, is it positive or negative? look at exponent of leading term, is it odd or even?
- 3) f(b) =0, means b is x-intercept 4) (x-b)k, k tells us shape near b