11/13/2023: · constants ·lines · quudratics · cubic · quartic - quintic · hextic X BI 6-6557 exponent on N= degree if n is even Jboth up of

if n is odd "leading coefficient" $f(x) = 3x^{15} - 7x^{10} + 23$ $-20x+(7x^2-1x^3)$ a polynomial if 2 in the exponent 2 not a poly 22+ J2C3 /- not a poly

$$f(x) = 2 + 3x^2 - 5x^4$$

$$g(x) = 1 - 2x^2 + x^3 - 10x^4$$

$$= \frac{1}{3} + \frac{1}{x^2} + \frac{1}{x^3} - \frac{15}{x^4}$$

$$\frac{f(x) - g(x)}{2 + 3x^2 - 5x}$$

$$= 21 - 2x^2 + x^3 - 10x^4$$

$$(+5x^2-1x^3+5x^4)$$