6 7 8 9 10 11 Dec 12 13 14 15 16 17 18 2016 19 20 21 22 23 24 25 26 27 28 29 30 31 Partial fraction : A rational Expression.

* Polynomial fraction: A rational Expression

uf it is entegral with oxespect to every.

letter entering into that expression Il polynomial is wortlen as le known as Ordered Polynomial. if a p \ 0 then the above polynomial is of nthe Rational Bolistomaied function form

g = b(x) = g(x), where g(x) and h(x) are polynomial) It is defined for all real values of x. excluding the g(x let (x)=0)

TUESDAY WK 05 . 031-334 JANUARY 2017 er Rational Gunction ction is said values of x, dego raction 2) Numerator denominator degree of

2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 032-333 * WK 05 degree of ha) degree of g(x) the given valional number is a proper Despose valional function Improper rational function valional traction es Improper ration inction il degree of h(x) < degree) 2 degree of & h It is called Improper varioniferation. 8 obvious another second

5 M J W J F S 5 M J W J F S 2 3 4 5 7 8 9 10 11 5 13 14 16 16 17 18 12 13 14 22 23 24 25 19 20 21 22 23 24 25 20 27 28 29 30 31 S · FEBRUARY 2017 WK-06 • 033-332 572 - 22 l function. decomposing of rational function into a no constituent of proper rational lypes of partial f dinego Repeated linear factors of denominators.
Repeated distinct and Quadratic factors Repealed Unadra

Distinct Lenear factor check the degree of numer atoro of denominator there it is propos If degree of numerator > degrees of denomina then the fraction is improper Divide the numerator by denominator and express it in mixed fraction.